

# BERHAMPUR UNIVERSITY



## Re-Accreditation Report

(Cycle – 2)

Volume - II  
Evaluative Report of Department  
Centres, Cells and Facilities

2015

Submitted to  
National Assessment & Accreditation Council, Bengaluru  
*An Autonomous Institution of the University Grants Commission*

## VOLUME-II CONTENTS

### EVALUATIVE REPORT OF DEPARTMENT

#### A. FACULTY OF SCIENCE AND TECHNOLOGY

1. Botany	01-17
2. Chemistry	18-35
3. Computer Science	36-53
4. Electronic Science	54-67
5. Home Science	68-78
6. Marine Sciences	79-98
7. Mathematics	99-118
8. Pharmacy	119-128
9. Physics	129-144
10. Zoology	145-169

#### B. FACULTY OF HUMANITIES AND SOCIAL SCIENCES

1. Economics	170-182
2. English	183-198
3. History	199-210
4. Industrial Relations and Personnel Management	211-222
5. Journalism & Mass Communication	223-232
6. Linguistics	233-241
7. Odia	242-259
8. Political Science	260-277
9. Women's Studies Research Centre	278-288

#### C. FACULTY OF LEGAL STUDIES

1. Law	289-298
--------	---------

#### D. FACULTY OF BUSINESS STUDIES AND MANAGEMENT

1. Business Administration	299-316
2. Commerce	317-331

#### E. CENTRES AND CELLS

1. R.P. Padhi Central Library	332-376
2. Hari Har Mardaraj Distance Education Centre	
3. NSS Bureau	
4. Sports Council	
5. Biju Patnaik Computer Centre	
6. South Odisha Cultural Study Centre	
7. Centre for Canadian Studies	

8. Innovation-cum-Incubation Centre	
9. Instrumentation Maintenance Facility Centre	
10. Bioinformatics Infrastructure Facility (BIF) Centre	
11. Anti-Ragging Cell	
12. Internal Quality Assurance cell (IQAC)	
13. Career and Placement Cell	
14. Cultural Cell	
15. Curriculum Development Cell	
16. Equal Opportunities Cell	
17. Earth Science Technology Cell( ESTC)	
18. Museum and Archival Cell	
19. Grievance Redressal Cell	
20. Students' Advisory and Monitoring Cell	
21. Complaint Committee on Sexual Harassment of Women at Workplace	
22. UGC Coaching Centre for SC/ST/Minorities/OBC	
23. All India Survey on Higher Education (AISHE) Cell	
<b>F. FACILITIES</b>	<b>377-391</b>
1. Biju Patnaik Auditorium	
2. Banks	
3. Canteen	
4. Children's Park	
5. Deer Park	
6. Employment Information and Guidance Bureau	
7. Faculty Club and Employees' Recreation Club	
8. Guest House	
9. Health Centre	
10. Hostels for Boys and Girls	
11. Market Complex	
12. Nursery Interpretation Centre	
13. Playground	
14. Post Office	
15. Police Outpost	
16. Staff Quarters	
17. Security	
18. Temple	
19. Transport Facility	
20. Higher Secondary School	
<b>LIST OF ANNEXURES</b>	<b>392</b>
1. Annexure-I: Certificates of AISHE	
2. Annexure-II: Perspective Plan of the University for Twenty Years	
3. Annexure-III: Master Plan of the University	

**FACULTY OF SCIENCE AND TECHNOLOGY**

Department of Botany

### BRIEF PROFILE OF THE DEPARTMENT OF BOTANY

1	Name of the Department	<b>: Botany</b>
2	Year of the Establishment	<b>:1969</b>
3	Courses/Programmes and Subject combinations offered	<b>: M.Sc., M.Phil., Ph.D., D.Sc.</b>
4	Number of teaching posts Sanctioned Filled	<b>➤ Sanctioned : 10 ➤ Filled: 03</b>
5	Number of Technical Staff present	<b>:01</b>
6	Number of Students ( Men / Women) Give Details Course Wise	<b>➤ P.G: M- 15 F- 57 Total: 72 ➤ M. Phil: M-03 F-06 Total: 09</b>
7	Ratio of Teacher to Students	<b>:27:1</b>
8	Ratio of Teachers to Research Scholars	<b>:</b>
9	Number of Teachers Scholars who have obtained their master's degree from other institutions	<b>:Teachers: 03</b>
10	Number of Teachers in Academic Bodies of other Autonomous Colleges and Universities	<b>:02</b>
11	Latest revision of the curriculum ( year)	<b>:2015</b>
12	Number of student passed in NET/ SLET etc. (last 5 years)	<b>:Many Students have qualified URET</b>
13	Success Rate of Students	<b>:95%</b>
14	Demand Ratio ( No. of application)	<b>:376:40</b>
15	Awards and recognition received by faculty ( last 5years)	<b>:02</b>
16	Faculty who have attended National/ International Seminars ( last 5 years) (numbers only)	<b>➤ National: 22 ➤ International :08</b>
17	Number of National Seminars Organized ( Last 5 years)	<b>:01</b>
18	Number of Teachers engaged in consultancy and the revenue generated	<b>:Nil</b>
19	Number of Ongoing projects and their total outlay	<b>: Ongoing: 01, Total outlay: 23 lakhs</b>
20	Research project completed during last five years & their Outlay	<b>: Completed: 02, Total outlay: 108 lakhs</b>
21	Number of inventions and patents	<b>:Nil</b>
22	Number of Ph. D theses guided during the last five years	<b>:18</b>
23	Publication by faculty ( last five years)	<b>:70</b>
24	Average citation index and impact factor of publication	<b>:</b>
25	Number of Books in the Department library, if any	<b>a. Dept. Library: No of books -1925 b. Students Seminar library: No of books -1020</b>
26	Number of Journals / Periodicals in the departmental library	<b>:Back volume journals / periodicals are available.</b>
27	Number of Computers in the department	<b>:06</b>
28	Annual Budget ( Excluding Salary) In Rupees	<b>:</b>
	➤ Equipment	<b>: 12 lakhs (2012-2015)</b>
	➤ Books and Journals	<b>: Books-Rs.2,16000/-</b>
	➤ Other contingency	<b>: 1.5 lakhs (DEC)</b>
	➤ Lab. Contingency	<b>:1.3 lakhs</b>

### Evaluative Report of the Department of Botany

1. Name of the Department : **Botany**
2. Year of establishment : **1969**
3. Is the Department part of a School/Faculty of the university? **Yes (Faculty of Science and Technology)**
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.): **M.Sc., M.Phil., Ph.D., and D.Sc.**
5. Interdisciplinary programmes and departments involved: **Environmental Science and Nanotechnology**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programmes discontinued, if any, with reasons : Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: **Semester/Choice Based Credit System introduced from academic session 2015-16**
9. Participation of the department in the courses offered by other departments : Allied Elective courses are introduced under CBCS
10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others)

Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	02	-	-
Associate Professors	-	-	-
Asst. Professors	-	-	-
Lecturer	03	03	03
Reader	05	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
Dr. A. K. Panigrahi (Superannuated in May 2015)	Ph.D. (BU) Post.Doc. (USA)	Professor	Environmental Biology & Toxicology	34	M.Phil – 11 Ph.D - 10
Dr. B. B. Panda (Superannuated in October 2013)	Ph.D. (BU) Post. Doc. (USA)	Professor	Molecular Biology & Genomics	38	M.Phil – 12 Ph.D – 03

Dr. M. K. Misra, Superannuated (in April 2013)	Ph. D. (BU) D.Sc (HC) (Colombo)	Professor	Ecology & Floristics.	33	M.Phil – 10 Ph.D - 05
Dr. Bandana Kullu	Ph.D.	Lecturer & Co-ordinator	Microbiology	04	M.Phil - 03
Dr. Mrutyunjay Jena	Ph.D. Post. Doc. (Germany)	Lecturer	Algology	3.5	M.Phil - 08
Dr. (Ms.) A. Leelaveni	Ph.D	Lecturer	Environmental Toxicology	3	M.Phil - 04

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors :

- Prof. B.B. Panda (Emeritus Professors) April 2014- till date
- Prof. M.K. Misra (Adjunct Professors) May 2013 - till date
- Prof. A.K. Panigrahi (Adjunct Professors) June 2015 - till date

13. Percentage of classes taken by temporary faculty – programme-wise information: Nil

14. Programme-wise Student Teacher Ratio: **M.Sc. - 24:1; M.Phil - 3:1**

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

Name of the post	Sanctioned	Filled	Actual
Research Assistant	01	Nil	Nil
Demonstrator	05	01	01
Store Keeper	01	01	Nil
Office Assistant	01	01	01

16. Research thrust areas as recognized by major funding agencies:

- Stress Biology**
- Forest ecology**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Sl. No.	Title of the Project	Years	Funding Agency	Rs. In Lakh	Principal Investigator
1	Plant responses to ionizing radiation	2009-2014	BARC-BU collaboration	90.00	Dr. B.B. Panda
2	Plant mediated biosynthesis, characterization and genotoxic evaluation of metal nanoparticles	2012-2017	UGC-New Delhi	23.00	Dr. B. B. Panda (with Dr. K. K. Panda, recipient of the Post-Doc. Fellow)
3	Impact of JFM	2013-2015	OFSD Govt.	18.00	Dr. M.K. Misra



	protection on phyto-diversity and structure of some regenerating forest stands in Gajapati district, Odisha		of Odisha		with Co-Investigator Dr. M. Jena
--	-------------------------------------------------------------------------------------------------------------	--	-----------	--	-------------------------------------

18. Inter-institutional collaborative projects and associated grants received  
 a) National collaboration **BARC, Mumbai: 90.00 Lakhs**  
 b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: **3 Applied**
20. Research Facility / Centre with
- State recognition : Department Research facilities are recognised by various state Universities /Institutions for higher studies.
  - National recognition
    - 1 Gamma Irradiation Facility: Gamma Chamber 5000-BARC Project**
    - 2 Comet Workshop Facility to measure DNA damage in single cell**
  - International recognition: Nil
21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil
22. Publications:
- Number of papers published in peer reviewed journals (national / international) in last 5 years (2010-15): **54**
  - Monographs: Nil
  - Chapters in Books: **12**
  - Edited Books: Nil
  - Books with ISBN with details of publishers: **02**
    1. Misra, M.K and A. Panda. 2011. Illustrated Wetland Plants and Their Utilization (with special reference to Odisha, India). ISBN: 9788170893691 / 8170893690.
    2. Sahu, D. & M.K. Misra. 2010. Ecology, energetic and economics of Kewda (Screwpine) industry. Lambert Academic Publishing, Saarbrucken, Germany ISBN-13: 978-3-8383-8250-0, ISBN-10: 3838382501
  - Number listed in International Database (For e.g. Web of Science, Scopus,
  - Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.)
  - Citation Index – range / average
  - SNIP
  - SJR
  - Impact Factor – range / average
  - h-index
23. Details of patents and income generated: The university gets 10% as every overhead for all research projects operated by the department
24. Areas of consultancy and income generated: Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions /industries in India and abroad : Nil

26. Faculty serving in
- National committees:
    - Prof. A.K. Panigrahi** as Advisor-UPSC, New Delhi (2010-2014)
  - International committees: **Nil**
  - Editorial Boards:
    - Prof. A.K. Panigrahi**
      - Executive Editor- Industrial Pollution and Management
      - Member, Editorial Board- Eco-planning
      - Member, Editorial Board- National Journal of Life Sciences
  - any other (please specify)
    - Prof. A.K. Panigrahi**
      - Subject Expert in Selection Committee for selection of teachers in Andhra Univ., Osmania Univ., Telangana University, and OPSC Odisha.
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs): Faculty members of the department have delivered lectures in UGC Refresher/orientation courses as resource person and also delivered invited lectures at various workshops and conferences.
28. Student projects
- percentage of students who have done in-house projects including inter-departmental projects: **All the 4<sup>th</sup> semester students**
  - percentage of students doing projects in collaboration with other universities/ Industry / institute: **Not Applicable**
29. Awards / recognitions received at the national and international level by
- Faculty:
 

**Prof. A.K. Panigrahi**

    - Fellow of NEA. Awarded in an International Seminar at School of Environmental Sciences, Sambalpur University by National Environmentalist Association, 2013
    - Gold medal, a certificate and Angabastra for Excellent Research achievements in Environmental Science by National Life Science Association. May 2014.
  - Doctoral / Post-doctoral fellows : Nil
  - Students : Nil
30. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any.  
01 (In collaboration with Department of Zoology in 2012)
31. Code of ethics for research followed by the departments : Is being developed
32. Student profile programme-wise:

Year	Name of the Programme	Applications Received	Selected		Pass percentage	
			Male	Female	Male	Female
2010	P.G.	144	04	15	66%	71%

	M.Phil	15	02	06	20%	100%
2011	P.G	117	07	13	100%	78%
	M.Phil	15	01	09	100%	100%
2012	P.G	186	06	14	80%	84%
	M.Phil	16	05	03	66%	75%
2013	P.G	235	03	18	66%	94%
	M.Phil	17	04	02	75%	100%
2014	P.G	263	05	29	To appear final exams in 2016	
	M.Phil	24	04	07	75%	86%
2015	P.G	353	10	30	Yet to appear final exams	
	M.Phil	34	03	06	Yet to appear final exams	

## 33. Diversity of students

Year	Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2010	P.G	73.6	26.3	Nil	Nil
	M.Phil	75	25	Nil	Nil
2011	P.G	50	50	Nil	Nil
	M.Phil	70	30	Nil	Nil
2012	P.G	65	35	Nil	Nil
	M.Phil	100	-	Nil	Nil
2013	P.G	62	38	Nil	Nil
	M.Phil	100	-	Nil	Nil
2014	P.G	70	30	Nil	Nil
	M.Phil	100	-	Nil	Nil
2015	P.G	45	55	Nil	Nil
	M.Phil	88	22	Nil	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. : Nil

35. Student progression

Student Progression	Percentage against enrolled
UG to PG	Not Applicable
PG to M.Phil.	45% (2010), 50% (2011), 57% (2012), 38% (2013), 40% (2014)
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	5% (2014) 5%
Entrepreneurs	Nil

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	50%
from other universities within the State	50%
from universities from other States from	Nil
universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : **01-Ph. D (Dr. Bandana Kullu)**

38. Present details of departmental infrastructural facilities with regard to

a) Library:

**Dept. Library: No of books-1925**

**Students Seminar library: No of books-1020**

b) Internet facilities for staff and students: **Available to computer lab and HOD room.**

c) Total number of class rooms: **Class room cum Laboratory-02, Seminar Hall-01**

d) Class rooms with ICT facility: **OHP and other ICT facilities are being used in the class room**

e) Students' laboratories: **02**

f) Research laboratories: **06**

## 39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university:

Name of the Post Doc./Research Fellow	Name of the Guide	Funding Agency
1. Dr. (Mrs.) Kamal K. Panda	Prof. B.B.Panda	PDF, Women Scientist, UGC, New Delhi
2. Mr. Bhola Nath Durga	Prof. M.K. Misra	RGNF, UGC, New Delhi
3. Ms. Sarendri Maharana	Dr. M.Jena	DST- INSPIRE, New Delhi
4. Mrs. Trupti Sahu	Prof. A. K. Panigrahi	DST- INSPIRE, New Delhi
5. Mr. Damburu Golari	Prof. B.B.Panda	RGNF, UGC, New Delhi
6. Mr. A. Venugopal	Prof. B.B.Panda	RGNF, UGC, New Delhi
7. Mr. Suraj Kumar Behera	Dr. A. Leelaveni	RGNF, UGC, New Delhi
8. Mr. Dharmendar Nath Padhy	Prof. A. K. Panigrahi	DST- INSPIRE, New Delhi
8. Mr. Biswajit Patra	Prof. M.K. Misra	OFSDP-project, Bhubaneswar
9. Ms. Sabitri Nahak	Dr. A. Leelaveni	RGNF, UGC, New Delhi
10. Mrs. Sibangini Mishra	Prof. M.K. Misra	DST- INSPIRE, New Delhi
11. Ms. Jhilli Prava Prsuty	Prof. A. K. Panigrahi	DST- INSPIRE, New Delhi

b) From other institutions/universities: Nil

40. Number of post graduate students getting financial assistance from the university: Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)?  
If so, highlight the methodology.

- **Obsolete topics are deleted and recent topics introduced**
- **Need of the topics at present scenario**
- **Specialization of the faculties taken in to consideration**

42. Does the department obtain feedback from

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? **No**
- i. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
  - **The feedback helps for improvisation of teaching and learning process after informal discussion in staff council.**
- ii. Alumni and employers on the programmes offered and how does the department utilize the feedback?
  - **Suggestions from Alumni are taken into consideration informally in board of studies for improvisation.**

## 43. List the distinguished alumni of the department (maximum 10)

1. Prof. S.P. Adhikary- Vice Chancellor, Fakir Mohan University, Odisha
2. Dr. B.P. Shaw- Principle Scientist, ILS, Bhubaneswar, Odisha
3. Prof. A.N. Misra- Prof. of Biotechnology, Central University, Jharkhand
4. Dr. S.S.Das- Scientist D, BSI, Kolkata
5. Dr. Rabindra N. Panigrahi, Scientist DST, New Delhi
6. Prof. Narashimam L. Parinandi, Assitant Professor Ohio State Univ., USA
7. Dr. Ajit Satapathy, Head, Protein Engineering Division, Deupont, Hydrabad.
8. Dr. Binod Sabat, Scientist, Ministry of Environment and Forest, New Delhi
9. Dr. Birajalaxmi Das, senior Scientist, BARC, Mumbai
10. Dr. Manoranjan Hota, Dy. Director, Ministry of Environment and Forest, New Delhi

## 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

**Invited Lectures:****Year 2010**

Date	Name of the presenter	Topic	No of participant
08.10.10	Prof. P.K. Chand, Head, Dept. of Botany, Utkal University	Protoplast fusion for production of somatic hybrids and cybrids	39
09.10.10	Prof. P.K. Chand, Head, Dept. of Botany, Utkal University	Engineering and upscaling <i>in vitro</i> cultures for commercial production of secondary metabolites	20
12.11.10	Prof. N.C. Sahu	Economics of Global warming	53

**Year 2011**

Date	Name of the presenter	Topic	No of participant
26.03.11	Prof. A. N. Misra Dept. of Biotechnology Central Univ. Jharkhand	Nano technology in food and agriculture	29
20.08.11	Prof. S.C. Sabat Senior Scientist ILS, Bhubanewar	Over expression of rice <i>CAT-B</i> in <i>Arabidopsis</i> protects chloroplast against photo-oxidative injury: a transgenic study	41

**Year 2013**

Date	Name of the presenter	Topic	No of participant
29.01.13	Prof. A. N. Misra Dept. of Biotechnology Central Univ. Jharkhand	Photosynthesis	34
09.02.13	Dr. Manish Mishra National Institute of Forest Management, Bhopal	Environmental change and its impact on NIFPs in central India	36

**Year 2014**

Date	Name of the presenter	Topic	No of participant
22.08.14	Dr. Sujit Kumar Bhutia Prof. & Head Dept. of Life Sciences NIT, Rourkela	Autophagy: Cancer's friend or foe?	56

**Year 2015**

<b>Date</b>	<b>Name of the presenter</b>	<b>Topic</b>	<b>No of participant</b>
25.07.15	Dr. K.C.S. Panigrahi Reader NISER, Bhubaneswar	Role of light and Auxin in plant development.	25
10.08.15	Prof. Ambarish Mukherjee	Taxonomy-A tale to tell	50
18.08.15	Dr. Surajit Das	Biofilm	63

45. List the teaching methods adopted by the faculty for different programmes.
- Lectures and demonstration
  - Laboratory practical classes and field trip
  - group discussion
  - Lecture delivered by the teachers by using LCD/OHP system
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- Compulsory weekly seminar presentation by all students (M.Sc./ M.Phil)
  - Evaluation students by conducting internal/ mid-term exam
  - Home assignments
  - Semester examination
  - Evaluation of field trip report
  - Evaluation of project work report
  - Evaluation of seminar presentation
47. Highlight the participation of students and faculty in extension activities.
- **Gardening**
  - **Swachh Bharat Abhiyan**
  - **Plantation**
  - **NSS programme**
48. Give details of “beyond syllabus scholarly activities” of the department.
- Wall magazine
  - Participation in Add-on courses
  - Maintenance of Herbarium
  - Awareness programme in college/villages
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. **No**
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- Study of the Impact of Ionizing radiation on Plants
  - Exploration of Algal diversity and their use
  - Heavy metals pollution and management
  - Impact of JFM protection on phyto-diversity
  - Wetland ecosystem
  - Phytoremediation in Polluted Environment
  - Identification of a new gene from hot spring bacteria and deposition in gene bank.
  - Characterization of Ayurvedic medicine (Patent filed)

51. Detail five major Strength, Weakness, Opportunities and Challenges (SWOC) of the department.

**Strength**

- Regular interacting classes without interruption
- Highly qualified and dedicated faculties
- Weekly Seminars
- Quality teaching
- Support and encouragement from the former teachers of the department

**Weakness**

- Vacant Faculty position, technical and supporting staffs
- Lack of sophisticated scientific equipments & Electricity back up for research work
- Lack of recent edition books and journals in the department's Library
- Unavailability of Internet facility to all the faculties
- Shortage of teaching class rooms

**Opportunities**

- Collaboration with National Institute and Industrial sector for research and training to students and faculty
- Submission of research project proposal to different funding agencies
- Providing scholarships to the students for pursuing M.Phil. and Ph. D studies
- Organizing national/international conferences and workshop/training in the department
- Creating interest among the students for extension activities for society and environment

**Challenges**

- Management of P.G. and M.Phil. Classes with limited faculties
- Conducting practical classes with shortage of non-teaching and supporting staffs.
- Creating opportunities for employment of pass out students
- Pursuing quality research with existing facilities
- Attracting students to pursue research in the department

52. **Future plans of the department.**

- To bring the Department under UGC-SAP
- Modernization of Department Library
- Development of Nursery
- Introduction of Diploma Course in Nursery



**RESEARCH PUBLICATIONS (2010-2015)**  
**DEPARTMENT OF BOTANY****Professor Malaya Kumar Misra**

1. Misra, S. & Misra, M.K. (2014). Nutritional evaluation of some leafy vegetable used by the tribal and rural people of south Odisha, India. *J. Natural Product and Plant Resources*, 4 (1), 23-28.
2. Misra, M.K. (2014). Conserving traditional medicinal knowledge and medicinal plants. *Tribal Studies: A Journal of COATS*, 2(1), 27-36.
3. Rath, P., Biswal, P.K. & Misra, M.K. (2014). Effect of sugar factory distillery spent wash (DSW) on the growth, pigment, biochemical content of rice (*Oryza sativa* L.) in the Aska area of Ganjam district, Odisha. *Int. J. Sci. Innov. Discov.*4, 131-149.
4. Durga, B. & Misra, M.K. (2014). Flora and structure of ground vegetation of coconut plantations of Ganjam coast, Odisha, India. *Int. J. Environ. Biol.* 24 (2), 127-134.
5. Misra, S & Misra, M.K. (2014). Ethnobotanical study of plants with edible underground parts of south Odisha, India. *Int. J. Agricul. Food Sci.* 4 (2), 51-58.
6. Misra, S. & Misra, M.K. (2014). Nutritional evaluation of some edible underground plant parts used by the tribal people of south Odisha, India. *Nelumbo (Bul. Bot. Surv. India)*, in press
7. Sahu, R.C. Sahu, D. & Misra, M.K. (2014). Angiosperm diversity of sandy coast of Balasore district, Odisha, India. *Nelumbo (Bul. Bot. Surv. India)*, In press.
8. Misra, S., & Misra, M.K. (2013). Leafy vegetable plants of South Odisha, India. *Int. J. Agricul. Food Sci.*, 11 3(4), 131-137.
9. Sahu, D. & Misra, M.K. (2013). Coastal phytodiversity of Puri district, Odisha, India. *Nelumbo (Bul. Bot. Surv. India)*, 55, 62-88.
10. Rath, P., Biswal, P.K. & Misra, M.K. 2013. Effect of sugar factory distillery spent wash on germination and seedling growth of rice (*Oryza sativa* L.). *Int. J. Sci. Innov. Discov.*3, 19-200.
11. Misra, M.K., Panda, A. & Sahu, D. (2012). Survey of useful wetland plants of South Odisha, India. *Indian journal of Traditional Knowledge* 11 (4), 658-666.
12. Panda, A., Sahu, D. & Misra, M.K. (2011). Plant biodiversity and ecology of some aquatic vegetation of Odisha, India. *Proceedings of Academic Science (Section B)*,81 (Pt-I), 134-147.
13. Rath, P., Pradhan, G. & Misra, M.K. (2011). Effect of distillery spent wash (DSW) and fertilizer on growth and chlorophyll content of sugarcane (*Saccharum officinarum* L.) plant. *Recent Research in Science and Technology*, 3 (4), 169-176.
14. Panda, A. & Misra, M.K. (2011). Ethnomedicinal survey of some wetland plants of south Orissa and their conservation. *Indian Journal of Traditional Knowledge*, 10 (2), 296-303.
15. Panda, A., Sahu, D. & Misra, M. K. (2011). Wetland flora of Malkangiri district, Odisha, India. *Journal of Economic Tax. Botany* 35 (4), 798-808.
16. Misra, M.K & Panda. A. (2011). Illustrated Wetland Plants and Their Utilization (with special reference to Odisha, India). Dehra Dun, India: International Book Distributors.
17. Sahu, D. & Misra, M.K. (2010). *Ecology, energetic and economics of Kewda (Screwpine) industry*. Germany: Lambert Academic Publishing, Saarbrucken
18. Panda, A. & Misra, M.K. (2010). Vegetation ecology of Mahendragiri hills with special reference to altitude. In S.N. Patra (Ed.), *Mahendragiri* (105-119). Orissa Environment Society Bhubaneswar.

19. Rath, P., Pradhan, G. & Misra, M.K. (2010). Effect of sugar factory distillery spent wash (DSW) on the growth pattern of sugarcane (*Saccharum officinarum*) crop. *Journal of Phytochemistry*, 2 (5), 33-39.
20. Alam, M. Girach, R. D, Brahmam, M. & Misra, M.K. (2010). Ethnobotanical uses of wetland and aquatic plants from Bhadrak—a coastal district of Orissa. *Hippo. J. Unani Medicine*, 5 (4), 205-212

### Professor Brahma Bihari Panda

1. Panda, B. B., Achary, V. M. M., Mahanty, S. & Panda K. K. (2014). Plant adaptation to abiotic and genotoxic stress: relevance to climate change and evolution. In: N. Tuteja & S. S. Gill (Ed). *Climate Change and Abiotic Stress Tolerance* (Vol. 1. Chapter 10, pp. 251-294). Germany, Wiley-VCH, Weinheim, Wiley Wiley-VCH Verlag GmbH & Co. Weinheim.
2. Golari, D., Venugopal, A., Venu-Babu, P., Singhal, R. K., Panda, B. B. (2014) Oxidative stress and non-linear threshold (NLT) genotoxic dose responses to ionizing radiation in niger, *Guizotia abyssinica* (L.f.) Cass. *Nucleus* 57, 175-184.
3. Panda, B. B., Achary, V. M. M. (2014) Mitogen-activated protein kinase signal transduction and DNA repair network are involved in aluminum-induced DNA damage and adaptive response in root cells of *Allium cepa* L. *Frontiers in Plant Science | Plant Physiology* 5 (article 256), 1-10.
4. Patnaik, A. R., Achary, V. M. M., Panda, B. B. (2013) Chromium (VI)-induced hormesis and genotoxicity are mediated through oxidative stress in root cells of *Allium cepa* L. *Plant Growth Regulation* 71, 157-170.
5. Kumar, A., Prasad, M.N.V., Achary, V. M. M., Panda, B. B. (2013) Elucidation of lead-induced oxidative stress in *Talinum triangulare* by analysis of antioxidant responses and DNA damage at cellular levels. *Environmental Science and Pollution Research* 20, 4551-4561.
6. Achary, V. M. M., Parinandi, N. L., Panda, B. B. (2013) Calcium channel blockers protect against aluminium-induced DNA damage and block adaptive response to genotoxic stress in plant cells. *Mutation Research* 751, 130-138.
7. Achary, V. M. M., Parinandi, N. L., Panda, B. B. (2012) Aluminum induces oxidative burst, cell wall NADH peroxidase activity, and DNA damage in root cells of *Allium cepa* L. *Environmental and Molecular Mutagenesis* 53, 550-560.
8. Satapathy, P., Achary, V. M. M., Panda, and B. B. (2012) Aluminum-induced abiotic stress counteracts *Fusarium*-infection in *Cajanus cajan* (L.) Millsp. *Journal of Plant Interactions*, 7, 121-128.
9. Achary, V. M. M., Patnaik, A. R., Panda, B. B. (2012) Oxidative biomarkers in leaf tissue of barley seedlings in response to aluminum stress. *Ecotoxicology and Environmental Safety* 75:16-26.
10. Panda, K. K., Das, A. B. & Panda, B. B. (2012). *Genomics of Pandanus: A useful plant resource of coastal Odisha, India*. Germany .LAP LAMBERT Academic Publishing GmbH & Co. KG, Saarbrücken.
11. Panda, K. K., Achary, V. M., Krishnaveni, M. R., Padhi, B. K., Sarangi, S. N. Sahu, S. N., Panda, B. B. (2011) In vitro biosynthesis and genotoxicity bioassay of silver nanoparticles using plants. *Toxicology in Vitro* 25, 1097-1105.
12. Patnaik, A. R., Achary, V. M. M. & Panda, B. B. (2011). Comet assay to assess DNA damage and genotoxic stress in plants. In: B. K. Roy, B. R. Chaudhary, R. P. Sinha (Eds). *Plant Genome: Biodiversity, Conservation and Manipulation* (pp. 17-22.), New Delhi. Narosa Publications.

13. Panda, K. K., Sahoo, B., Das, A. B. & Panda, B. B. (2010). Use of RAPD markers to detect sex differences in *Pandanus tectorius* Parkinson, an important bioresource plant in Orissa, India. *International Journal of Biodiversity Science, Ecosystem Services & Management* 6, 28-34.
14. Mohanty, S., Das, A. B., Ghosh, N., Panda, B. B., Smith, D. W. (2010) Genetic diversity of 28 wild species of fodder legume *Cassia* using RAPD, ISSR and SSR markers: a novel breeding strategy. *Journal of Biotechnology Research* 2: 44-55.
15. Achary, V. M. M. and Panda, B. B. (2010) Aluminium-induced DNA-damage and adaptive response to genotoxic stress in plant cells are mediated through reactive oxygen intermediates. *Mutagenesis* 25, 201-209.

### **Professor Ashok Kumar Panigrahi**

1. Anuradha, B.V.S., Uma Mahes, A., Sharma, D., Sahu, A. & Panigrahi, A.K. (2014). Impact of mercury contaminated effluent and reclamation of mercury contaminated environment by a cyanobacterium. *Life Sciences Bulletin*. 11(1), 01-12.
2. Bindhani, B.K. & Panigrahi, A.k. (2014). Green synthesis of gold nanoparticles using Neem. Biomedical applications. *Int. J. of Adv. Biotech. And Research*. 5(3), 457-464.
3. Bindhani, B.K. & Panigrahi, A.K. (2014). Green synthesis and characterization of gold nanoparticles using leaf extracts of *Withania somnifera* (Linn.) (Ashwagandha). *American J. of Nanoscience and Nanotechnology*. 2(5), 121-126.
4. Panigrahi, A.K., Panda, A. K. & Bisht, S.P.S. (2014). Protease characteristics of a Bacteriocin producing Lysinibacilli (HM359123) isolated from Nagavali River Basin India. *Journal of Pure and Applied Microbiology*. 8(5), 4225-4230.
5. Panigrahi, A.K., Panda, A. K. & Bisht, S.P.S. (2014). Production and purification of a thermostable Lipase from a hyperactive bacterial isolate *Brevibacillus* sp. From Taptapani hot spring. Odisha. *Int. J. Pharm Bio Sci*. 5(4)(B), 320-327.
6. Bindhani, B.K. and Panigrahi, A.K. (2014). Green synthesis of chitosan based Gold nanoparticles using leaf extracts of *Terminalia catappa* L. and study of their effects on cancerous cells. *World Applied Sciences Journal*. 32 (6), 1153-1158.
7. Bindhani, B.K. and Panigrahi, A.K. (2014). Biosynthesis, characterization and non-toxic activity of Gold nanoparticles using *Geranium* (*Pelagonium graveolens*, L.) leaf extract. *Nano Trends*.
8. Panigrahi, M.R. & Panigrahi, A. K. (2014). Bioreactor- A new lighting technology for algal biomass production. *Nat. J. of Life sciences*. 11(1), 23-28.
9. Sahoo, S.K., Uma Mahesh, A. & Panigrahi, A. K. (2014). Impact of contamination by Bamboo decomposition and lubricant oil leak and deterioration of Balimela reservoir water standard at Malkangiri of Odisha. *Nat. J. of Life sciences*. 11(1), 01-06.
10. Sahu, T., Padhy, D.N. & Panigrahi, A.K., (2014). Physico-chemical analysis and study of Bacterial diversity of Taptapani Hot Spring. *The Ecoscan*. 8 (3&4). 345-348.
11. Sabat, G., Panigrahi, A.K., Sahu, A.K. & Mohanty, B.K. (2014). Studies of biochemical stress in Blue-green alga (*Anabena cylindrica*, L.) exposed with an insecticide, Endosulphan, EC-35. *Int. J. of Current Microbiology and Applied Sciences*. 3(10), 150-155.
12. Sabat, G., Panigrahi, A.K., Sahu, A.K. & Mohanty, B.K. (2014). Studies in growth parameter and pigment contents in endosulphan, EC- 35 exposed blue green alga (*Anabena cylindrica*, L.). *Int J Appl Sci Biotechnol*. 2(3): 260-264.

13. Sahu, A. and Panigrahi, A.K. (2014). Impact of mercury contained effluent on a cyanobacterium. In: A.K.Dash & M. Das. (Eds). *Advances in Environmental Science and Engineering*. (pp.263-283) Daya publishing House, New Delhi.
14. Bindhani, B. K., Parida, U. K., Biswal, S. K., A. K. Panigrahi, & Nayak, P. L. (2013). Review: Gold Nanoparticles and Their Biomedical Applications. *Journal Reviews in Nanoscience and Nanotechnology*. 2, 247–260.
15. Panda, A. K., Bisht, S.P.S. & Panigrahi, A. K. (2013). Bio-chemical and molecular characterization of thermophiles from hot water spring of Southern Odisha. *The Ecoscan*. Special Issue 3, 133-145.
16. Radha, S., C.V. Raju & Panigrahi, A.K. (2013). Toxic effect of solid waste from Caustic chlorine industry on pigments, photosynthetic rate, and respiration rates in rice seedlings. *Journal Geobios*. 40, 186-189.
17. Sahoo, S. K., Panigrahi, A.K & Sahu, A. (2013). Impact of multiple use of reservoir water for the livelihood of the tribal people and deterioration water standard- A case study of Balimela reservoir at Malkangiri district of Odisha. In: In: A. Jyotishi, S. Mahapatra & M. Bavinck (Eds.). *Legal pluralism in Natural resource Management. South and South-East Asian Persepectives* (127-133.) . Excel India Publisher India.
18. Panigrahi, A.k. and Sahu, A. (2012). *Text of Environmental Studies*. Giribala Publications, Berhampur
19. Panigrahi, A.k. and Sahu, A. (2012). *Parivesh Bigyan*. Giribala Publications, Berhampur
20. Panda, A. K., Bisht, S. P. S. & Panigrahi, A. K. (2011). Isolation and identification of an extra-cellular alkali stable lipase producing thermophilic *Brevibacillus* sp.AK-P2 from an Indian Hot spring. *Journal of Advanced Biotechnology*, 10 (09), 25-29.
21. Mallik, S., Nayak, M., Sahu, B. B., Panigrahi, A. K. & Shaw, B. P. (2011). Response of antioxidant enzymes to high NaCl concentration in different salt-tolerant plants. *Biologia Plantarum*, 55 (1), 191-195.
22. Sahu, A., Patnaik, A. R. & Behera, R. K. & Panigrahi, A. K. (2011). Eco-physiological effects of red mud waste of an Aluminium industry on the seed biology of a crop plant. In: Vyas et al. (Eds.) *Microbial Biotechnology and Ecology* (780- 829), Daya Publishing House, New-Delhi.
23. Sahu, A., Sahu, S. K. & Panigrahi, A. K. (2010). Impact of mercury contamination on the hydrobiology of Rushikulya Estuary of Bay of Bengal at Ganjam, Orissa. In: V. Kumar & B. Vasntkumar (Ed.) *Aquatic Ecosystem and its management* (pp. 168-211). Daya Publishing House, New Delhi.

#### **Dr. Bandana Kullu**

1. **Kullu, B.** and Behera, N. (2015). Physico-chemical characterization of different age series sponge iron solid waste dumps with respect to reclamation. *International Journal of Environmental Sciences* 5(6): 881-889. ISSN 0976 – 4402.
2. **Kullu, B.** and Behera, N. (2012). Status and diversity of vesicular arbuscular mycorrhiza in different age series sponge iron solid waste dumps with respect to reclamation. *The Bioscan* 7(3): 539-542. ISSN: 0973-7049.
3. **Kullu, B.** and Behera, N. (2011). Vegetational succession on different age series sponge iron solid waste dumps with respect to top soil application. *Research Journal of Enviornmental and Earth Sciences* 3(1): 38-45. ISSN: 2041-0492.

**Dr. Mrutyunjay Jena**

1. Jena, M., Bock, C., Behera, C., Adhikary, S.P. & Krienitz, L. (2014). Strain survey on three continents confirms the polyphyly of the genus *Pediastrum* (Hydrodictyaceae, Chlorophyceae), *Fottea, Olomouc*, 14, 63-76.
2. Rath, J., Jena, M. and Adhikary, S.P. (2013). Biodiversity analysis of soil and freshwater algae of eastern and north-eastern regions of India. In A. Gupta, and G.P., Mishra (Ed.), *Ecorestoration and Biodiversity conservation* (pp. 32-54). Avishhkar Publishers, Distributors, Jaipur 302003.
3. Adhikary, S.P. & Jena. M. (2012). Algal diversity of Kaziranga national park and Majuli river island hot spots of Assam. *Nelumbo (Bull. Bot. Survey India)*, 54, 1-22.
4. Jena, M. & Adhikary, S.P. (2011). Algal diversity of Loktak Lake, Manipur. *Nelumbo (Botanical Survey of India)* 53, 21-48.

**Dr. A. Leelaveni**

1. Leelaveni, A. Nahak, S. & Sahu, R. K. (2015). Growth, Yield and Elemental Status of *Lycopersicon esculantum* L. In A. Chauhan & P. K. Bharti (Ed.), *Soil characteristics and Agro-ecology* (pp. 49-68). Discovery Publishing House Pvt. Ltd., New Delhi (India).
2. Mishra J., Behera S.K., Panigrahi A.K., Sahu R.K., Leelaveni A., 2015. Study of Some Ethnomedicinal Plants of Nayagarh District, Odisha. *The Journal of Ethnobiology and Traditional Medicine Plants*. Photon 124, 187-199.
3. Behera S.K., Sahu R.K., Leelaveni A., 2015. Some Ethnomedicinal Plants of Rayagada District, Odisha, India. *The Journal of Ethnobiology and Traditional Medicine*. Photon 104, 187-194.
4. Das S., Behera S.K., Leelaveni A., 2015. Ethnomedicinal Study of Jajpur District, Odisha. *Asian Resonance*. IV, 122-127.
5. Leelaveni A., Nahak S., Sahu R.K. 2015. Growth, Yield and Elemental Status of *Lycopersicon esculantum* L. Grown in Fly ash with Azosprillum amended Soil. *Greener Journal*. Greener Journal of Agricultural Science. 5(4). 149-158.

Department of Chemistry



### BRIEF PROFILE OF THE DEPARTMENT OF CHEMISTRY

1	Name of the Department	: <b>Chemistry</b>
2	Year of the Establishment	: <b>1972</b>
3	Courses/Programmes and Subject combinations offered	: <b>P. G., M. Phil, Ph. D., D. Sc.</b>
4	Number of teaching posts Sanctioned Filled	➤ <b>Sanctioned :07; Filled : 05</b>
5	Number of Technical Staff present	: <b>02</b>
6	Number of Students ( Men / Women) Give Details Course Wise	➤ <b>M.Sc. Men :23; Women:46</b> ➤ <b>M.Phil:Men :03; Women : 05</b>
7	Ratio of Teacher to Students	: <b>1:15</b>
8	Ratio of Teachers to Research Scholars	: <b>1:2</b>
9	Number of Teachers Scholars who have obtained their master's degree from other institutions	: <b>05</b>
10	Number of Teachers in Academic Bodies of other Autonomous Colleges and Universities	: <b>02</b>
11	Latest revision of the curriculum ( year)	: <b>2015</b>
12	Number of student passed in NET/ SLET etc. ( last 5 years)	: <b>10</b>
13	Success Rate of Students	: <b>100%</b>
14	Demand Ratio ( No. of application)	: <b>13:1</b>
15	Awards and recognition received by faculty ( last 5years)	: <b>01</b>
16	Faculty who have attended National/ International Seminars ( last 5 years) (numbers only)	➤ <b>41</b>
17	Number of National Seminars Organized( Last 5 years)	: <b>National :04; International :01</b>
18	Number of Teachers engaged in consultancy and the revenue generated	: <b>Nil</b>
19	Number of Ongoing projects and their total outlay	: <b>Faculty members have submitted projects to different funding agencies.</b>
20	Research project completed during last five years & their Outlay	: <b>01; 02 Ph.D ;05 publications</b>
21	Number of inventions and patents	: <b>Nil</b>
22	Number of Ph. D theses guided during the last five years	: <b>11</b>
23	Publication by faculty ( last five years)	: <b>92</b>
24	Average citation index and impact factor of publication	: <b>Citation index: 7.3;</b> <b>Impact factor: 1.73</b>
25	Number of Books in the Department library, if any	: <b>927</b>
26	Number of Journals / Periodicals in the departmental library	: <b>Back volumes of some journals are available.</b>
27	Number of Computers in the department	: <b>18</b>
28	Annual Budget ( Excluding Salary) In Rupees	:
	➤ Equipment	: <b>12 lakhs</b>
	➤ Books and Journals	: <b>Books- Rs.2,16000/-</b>
	➤ Other contingency	: <b>Nil</b>
	➤ Lab. Contingency	: <b>Nil</b>

### Evaluative Report of the Department Chemistry

1. Name of the Department : **Chemistry**
2. Year of establishment :1972
3. Is the Department part of a School/Faculty of the university? No
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D. Sc., D.Litt., etc.): P. G., M. Phil, Ph. D., D. Sc.
5. Interdisciplinary programmes and departments involved:
  - a) Not involved in Interdisciplinary teaching programme.
  - b) Involved in Interdisciplinary Research Programmes with Botany, Pharmacy and Environmental Sciences.
6. Courses in collaboration with other universities, industries, foreign institutions, etc.: NIL
7. Details of programmes discontinued, if any, with reasons: NIL
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: **Semester System and the Department have implemented Choice Based Credit System (CBCS) from the academic session 2015-16.**
9. Participation of the department in the courses offered by other departments: **Allied Elective courses are introduced under CBCS.**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Post	Sanctioned	Filled	Actual ( including CAS & MPS)
Professor	1	NIL	NIL
Associate Professors/ Reader	2	1	1
Asst. Professors/ Lecturers	4	4	4

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 5 years
Dr. Sunakar Panda	M. Sc., M. Phil, Ph. D.	Reader and Head	Organic Synthesis, Bio- environmental	25	Ph. D. -10, M. Phil. – 16



			Chemistry		
Dr. Bamakanta Garnaik	M. Sc., M. Phil, Ph. D.	Lecturer	Organic and Environment Chemistry	26	Ph. D. -02, M. Phil. – 05
Dr. Satyanarayan Sahoo	M. Sc., Ph. D	Lecturer	Organometallic Chemistry	4	M. Phil. – 05
Dr. Gangam Phaomei	M. Sc., Ph. D.	Lecturer	Physical Chemistry, Nano Chemistry	3	M. Phil. – 04
Dr. Laxmidhar Rout	M. Sc., Ph. D.	Assistant Professor (UGC)	Organic Synthesis	--	---

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

1. Prof. B. Behera :26.10.10 to 05.12.10
2. Prof. D. C. Dash : 07.09.11 to 24.09.11 and 16.07.12 to 14.08.12
3. Prof. P. Mohanty :10.01.12 to 08.02.12
4. Prof. G. C. Pradhan:27.02.12 to 12.03.12 and 18.02.13 to 04.03.13

13. Percentage of classes taken by temporary faculty – programme-wise information: NIL

14. Programme-wise Student Teacher Ratio

Year	M. Sc.	M. Phil.	Number of Teachers	Ratio
2010-11	40	6	2	23:1
2011-12	40	6	3	15:1
2012-13	52	8	4	15:1
2013-14	64	8	4	18:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Post	Sanctioned	Filled	Actual
Academic support staff	03	03	03
administrative staff	02	02	02

16. Research thrust areas as recognized by major funding agencies: NIL

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : NIL

18. Inter-institutional collaborative projects and associated grants received: NIL

- a) National collaboration
- b) International collaboration

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.;

Total grants received under UGC Major Research Project: Rs. 6, 84, 135/-

20. Research facility / centre with

- State Recognition :√
- National Recognition :√
- International Recognition :√

21. Special research laboratories sponsored by / created by industry or corporate bodies : NIL
22. Publications:  
Number of papers published in peer reviewed journals (national / international): 77  
Monographs: NIL  
Chapters in Books: NIL  
Edited Books: NIL  
Books with ISBN with details of publishers: 01 (Organic Reaction Mechanism, Vrinda Publication Pvt. Ltd. Delhi, **ISBN: 978-81-8281-467-7**)  
Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)  
Citation Index – range / average SNIP SJR Impact Factor – range / average: 1.6  
h-index:
23. Details of patents and income generated: NIL
24. Areas of consultancy and income generated: NIL
25. Faculty selected nationally / internationally to visit other laboratories / institutions/ Industries in India and abroad:  
Dr. Sunakar Panda – Ubon-Rachathani, Thailand (2010), Singapore (2013)  
Dr. Bamakanta Garnaik – Bangkok, Thailand (2011), Dubai, UAE (2014)
26. Faculty serving in
  - a) National committees:
  - b) International committees
  - c) Editorial Boards:
  - d) any other (please specify): Association of Analytical and Environmental Chemistry of India (AEACI), BARC – Dr. Sunakar Panda, Dr. Bamakanta Garnaik, Dr. Satyanarayan Sahoo, Fellow of International Congress of Chemistry and Environment (FICCE) - Dr. Sunakar Panda, Dr. Bamakanta Garnaik
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):
  - a) Dr. Satyanarayan Sahoo - Orientation Programme, 2011
  - b) Dr. Ganngam Phaomei - Orientation Programme, 2013
  - c) Dr. Ganngam Phaomei – Refresher Course, 2015
28. Student projects
  - a. percentage of students who have done in-house projects including inter-departmental projects: 5 %
  - b. percentage of students doing projects in collaboration with other universities/ industry / institute: 95 %
29. Awards / recognitions received at the National and International level by
  - a. Faculty: Dr. Sunakar Panda & Dr. Bamakanta Garnaik – Fellow of International Congress of Chemistry & Environment
  - b. Doctoral / post doctoral fellows
  - c. Students

30. Seminars/ Conferences/Workshops organized and the source of funding (national/ International) with details of outstanding participants, if any.

Sl. No.	Date	Title of the Seminar/Conference/ Workshop	Source of funding	No. of participants	Outstanding participants
1.	28-29 <sup>th</sup> Dec 2010	National seminar on "Industrialization Induced Environmental Crisis and its Cure"	UGC	320	Prof. M.N.V. Prasad Prof. K.S.Patel Prof. H.C.Rai
2.	26-27 <sup>th</sup> November 2011	National seminar on "Frontiers in Recent Chemical Research"	UGC	260	Prof. A.K.Mishra Prof. R.K.Singhal Prof. R. R. Jha
3.	13-14 <sup>th</sup> October 2012	National Seminar on "Green Chemistry: Solution to Environmental Crisis"	UGC	280	Prof. A.K.Mishra Prof. H.C.Rai Prof. M.K.Sahu
4.	12-13 <sup>th</sup> April 2014	National Seminar on "Emerging Trends in Chemical Sciences" in collaboration with Saraswati Vidya Mandir, Neelakantha Nagar, Berhampur	OCS	250	Prof. G.Rehlan Dr. B.C. Sabat Dr.P. Nagrik
5.	06-08 <sup>th</sup> February 2015	International Conference on Innovative Applications of Chemistry in Pharmacology & Technology"	UGC, DST- Odisha	400	Prof. M. Kuznetsov Prof. K. Grela Prof. J.M. Fang Prof. H. Yamada Prof. Z. Czarnocki

31. Code of ethics for research followed by the departments: Research papers are published as per the findings in the laboratory.
32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc 2010-11	258	13	06	100%	100%
M.Phil 2011	36	02	02	100%	100%
M.Sc 2011-12	254	06	08	100%	100%
M.Phil 2012	09	01	03	100%	100%
Pre-Ph.D 2012	49	05	04	100%	100%
M.Sc 2012-13	287	14	17	100%	100%
M.Phil 2013	22	04	03	100%	67%
M.Sc 2013-14	432	12	19	100%	100%
M.Phil 2014	26	02	06	100%	100%
M.Sc 2014-15	460	01	30	Results awaited	Results awaited
M.Phil 2015	30	03	05		

## 33. Diversity of students

Name of the Programme	% of Students from the Same University	% of students from other universities within the State	% of students from universities outside the State	% of students from Other countries
M.Sc 2010-11	58	42	NIL	NIL
M.Phil 2011	75	25	NIL	NIL
M.Sc 2011-12	71	29	NIL	NIL
M.Phil 2012	50	50	NIL	NIL
Pre-Ph.D 2012	67	33	NIL	NIL
M.Sc 2012-13	55	45	NIL	NIL
M.Phil 2013	84	16	NIL	NIL
M.Sc 2013-14	39	61	NIL	NIL
M.Phil 2014	100	00	NIL	NIL

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

**NET – 06**

1. Mr. P. Chhotray, IIT Madras -2010
2. Ms. Suprava Nayak, IISc Bangalore -2010
3. Mr. Chakadola Panda, NCL Pune -2010
4. Ms. Archana Pattnaik, IMMT BBSR - 2012
5. Mr. B.Behera, IISc Bangalore - 2013
6. Mr. Agni Biswal, OUAT BBSR -2014

**GATE – 01**

1. L. Satish Kumar Achary, NIT Rourkela – 2015

## Others

**OPSC – 05**

1. Dr. Dibyalochan Singh – 2011
2. Dr. Jagat Krushna Tripathy -2011
3. Ms. Sujata Behera -2014
4. Ms. Sasmita Nayak – 2014
5. Mr. Bipin Bihari Mohanty – 2014

**DST Inspire Fellowship – 06**

1. Mr. Subrat Padhy – 2010
2. Ms. Dharitri Senapati – 2011
3. Ms. Sujata Behera – 2012
4. Mr. Mahesh Chandra Poi – 2013
5. Mr. Prasanna Kumar Panda – 2014
6. Ms. NILima Priyadarshini Mishra - 2015

## 35. Student progression

Student progression	Percentage against enrolled
UG to PG	N. A.
PG to M. Phil.	32%
PG to Ph.D.	28%
Ph.D. to Post-Doctoral	3%
Employed	100%

Campus selection	NIL
Other than campus recruitment	100%
Entrepreneurs	NIL

## 36. Diversity of staff

Percentage of faculty who are graduates of the same university	NIL
from other universities within the State	04
from universities from other States	01
from universities outside the country	NIL

## 37. Number of faculty who were awarded M. Phil., Ph. D., D. Sc. and D. Litt. during the assessment period: NIL

## 38. Present details of departmental infrastructural facilities with regard to

- a. Library: 927
- b. Internet facilities for staff and students: Available in the Department 24 x 7 hours.
- c. Total number of class rooms: 02
- d) Class rooms with ICT facility: 01
- e) Students' laboratories: 03
- f) Research laboratories : 05

## 39. List of doctoral, post-doctoral students and Research Associates

## a. From the host institution/university: Doctoral- 14

Sl. No.	Name	Year
1	H. K. Dash	2010
2	S. S. Nayak	2010
3	J. K. Tripathy	2011
4	A. K. Dash	2012
5	M. B. Subudhi	2013
6	D. L. Singh	2013
7	N. Dash	2013
8	P. M. Nanda	2013
9	I. Rath	2014
10	U. P. Tripathy	2014
11	S. K. Das	2014
12	R. Singh	2014
13	S. B. Sahoo	2015
14	P. K. Acharjya	2015

## b. From other institutions/universities: doctoral- NIL

## 40. Number of post graduate students getting financial assistance from the university: NIL

41. Was any need assessment exercise undertaken before the development of new programme(s)?  
If so, highlight the methodology.

Yes. The courses of different Indian Universities and UGC have been consulted before the development of new programme

42. Does the department obtain feedback from
- i. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
Yes, suggestions are discussed in staff council and necessary steps have been taken in this regard.
  - ii. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?  
Yes, feedback regarding staff curriculum and teaching learning evaluation is regularly obtained from the students so as to take proper steps for the betterment of the system.
  - iii. Alumni and employers on the programmes offered and how does the department utilize the feedback?  
Yes, suggestions from Alumni and employers are discussed in staff council and necessary steps have been taken in this regard
43. List the distinguished alumni of the department (maximum 10)
- Dr. Pankaj Kumar Patra, Scientist, BARC, Mumbai
  - Dr. Ashok Sahu, Scientist, BARC, Mumbai
  - Dr. B. K. Panigrahi, Scientist, IGCAR, Kalpakam
  - Dr. Prasanta Pattanaik, Scientist, DRDO, Vishakhapatnam
  - Prof. Surendra Mohapatra, Professor, USA
  - Dr. Kulamani Parida, Professor, SOA University, BBSR
  - Dr. Arun Kumar Padhy, Associate Professor, CUJ, Ranchi
  - Dr. Sitaram Mohapatra, Assistant Professor, Ravenshaw University
  - Dr. Jagadish Chandra Panigrahy, J. K. Paper Mill, Rayagada
  - Dr. Bighnaraj Mishra, IRE, Chatrapur
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
- Departmental Seminar every week on various burning topics
  - Seminar talks delivered by external experts
  - Various interdisciplinary seminars
45. List the teaching methods adopted by the faculty for different programmes.
- General class room teaching
  - Teaching through power point presentation
  - Teaching through models
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- The students are well placed soon after their passing out of the department.
47. Highlight the participation of students and faculty in extension activities.
- Students have participated in different training courses (Summer School, Winter School)
    - Mr. V. Panda: NCL, Pune
    - Mr. J. Panda: IIT, Madras
    - Ms. S. Barik: IMMT, BBSR
  - Faculties have been participated and chaired different National and International Conferences
    - Dr. Sunakar Panda, Dr. Bamakanta Garnaik
  - Faculties are invited as resource persons to different training and refresher courses
    - Dr. Sunakar Panda
48. Give details of “beyond syllabus scholarly activities” of the department.
- Organization of regular student seminar
  - Contribution of articles to wall magazine
  - Organization of regular NET and GATE classes
  - Motivating the students for creative research

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- The faculties are actively engaged in research on emerging topics like Supramolecular Chemistry, Organic synthesis, Bio-Chemistry, Nano-Chemistry and Environmental Chemistry etc. and their research findings have been published in journals of International and National repute.
- The students of the department are pursuing research in different Institute of International repute.
- The students of the department are well placed in different Industries and reputed Institutions.

51. Detail five major Strength, Weakness, Opportunities and Challenges (SWOC) of the department.

#### **Strength**

- Highly qualified, dynamic and motivated faculties.
- Well disciplined students
- 100% placement of the students
- Well organized Seminar Library
- Regular organization of students seminar and publication of seminar abstracts in the form of CHEMSEM

#### **Weakness**

- Inadequate number of faculties
- Inadequate number of Supporting staffs
- Less number of sophisticated instruments for Research work.
- Inadequate Infrastructural facility.
- Non availability of Academic Staff College for updating knowledge.

#### **Opportunities**

- Career based training to face global challenges of present society.
- To provide research in thrust areas.
- To develop community link projects.
- To act as knowledge resource center for young aspirants of South Odisha.
- To popularize the subject in the tribal belt of south odisha

#### **Challenges**

- To provide world class facility to student for research and development
- To change mindset of the students and motivate them for creative research
- To make the department a center of excellence
- To have collaborative research with other Institutions of international repute.
- To develop Industry-Academia partnership to have applied researches.

52. Future plans of the department.

- To bring the Department under UGC-SAP.
- To make the department one of the leading departments of India and abroad.
- To develop Academic-Industry interaction.
- Opening of new course under Self-financing programme.

**RESEARCH PUBLICATIONS (2010-2015)**  
**DEPARTMENT OF CHEMISTRY****Dr. Sunakar Panda**

1. Panda, S., Nayak, S and P.K.Das (2015). Impact of inclusion complex formation on antioxidant activity of some 4-arylidenamino-5-phenyl-4h-1, 2, 4-triazole-3-thiols *World journal of Pharmacy and Pharmaceutical Sciences*. 4(8), 939-951. (ISSN:2278-4357, IF:5.21)
2. Sahu, R and Panda, S., (2015) Antibacterial, Thermal and Spectral Studies of Inclusion Complex of 3-(4-Bromo phenyl) 4-methyl 2- thiocarbamoyl -3,3a dihydro pyrazolo [3,4c] pyrazole *Applied Science and Advanced Materials International*, 1(6), 220-223. (ISSN 2394-3173)
3. Panda, S and Tripathy, J. K. (2015). Studies on Inclusion Complexes of Halosubstituted Indole Derivatives, *Applied Science and Advanced Materials International*,1(6), 183-188. (ISSN :2394-3173)
4. Tripathy, U. P. and Panda, S (2015).Study of Decolourisation of the Effluents of Pulp and Paper Industry through Ozonation *Applied Science and Advanced Materials International*,1(6), 211-214. (ISSN :2394-3173)
5. Panda, S and Nayak, S (2015) Antibacterial, antioxidant and anthelmintic studies of inclusion complexes of some 4-Arylidenamino-5-phenyl-4H-1, 2, 4-triazole-3-thiols *Supramolecularchemistry*, (ISSN.1061-0278: IF:2.39, SJR:0.4, h-index:15)
6. Panda, S., and Singh, D.L., (2014). Study of antioxidant, antimicrobial and anthelmintic Properties of 1-nicotinoyl-4-aryl-3-methyl 3a, 4-Dihydropyrazolo [3,4c] pyrazoles and their Inclusion complexes with  $\beta$ -cyclodextrin *World journal of Pharmacy and Pharmaceutical Sciences*, 3(2), 1639-1654. (ISSN:2278-4357, IF:5.21)
7. Panda, S. and Sahu, R (2014) Studies on inclusion complex of 3-(2-chloro Phenyl) 4-methyl 2- thiocarbamoyl -3,3a-dihydro pyrazolo [3,4c] pyrazole *American Journal of Advanced Drug Delivery*, 1(5), 682-690. (ISSN: 2321-547X , IF:0.648, h-index:4)
8. Panda, S. and Sahu, R (2014) Studies on inclusion complex of 4-methyl 3-phenyl 2-thiocarbamoyl -3,3a dihydro pyrazolo [3,4c] pyrazole *IOSR Journal of Pharmacy and Biological Sciences* 9(2): 1-6. (ISSN:2319-7676, IF :1.51)
9. Panda, S. and Sahu, R (2014) Inclusion complex with cyclodextrin: A boon to pharmaceutical world, *International Journal of Biology, Pharmacy and Allied sciences* 3(6), 915-926. (ISSN .2277-4998, IF:0.812, SJIF:3.879)
10. Panda, S. (2014) Consequences of Hydrogen bonding in biosphere *World journal of Pharmacy and Pharmaceutical Sciences*, 3(12), 564-574. (ISSN2278-4357, IF:5.21)
11. Panda, S. (2014). Intermolecular forces: Binding forces for the existence of biosystem *International Review of Biophysical Chemistry*, 5(2):197-202. (ISSN: 2038-033X )
12. Panda, S. (2014) Reactive oxygen induced modification of biosystem *International Review of Biophysical Chemistry*, 5(2):197-202. (ISSN: 2038-033X)



13. Panda, S., Garnaik, B.K, Tripathy, S. and Tripathy, U. P. (2013): Seasonal Variation of Nagavali River Water Quality at the Vicinity of Paper Mill near Jaykaypur, Odisha, India, *International Research Journal of Environmental science*, 2(5):46-52 (ISSN: 2319-1414)
14. Panda, S. and D. L. Singh (2013) Study of anthelmintic properties of 1-Nicotinoyl-4-aryl-3-methyl 3a,4-dihydropyrazolo[3,4c] pyrazoles and their inclusion complexes with  $\beta$ -cyclodextrin., *Journal of Chemical and Pharmaceutical Research*, 5(5),364-381. (ISSN.0975-7384, IF: 0.467, SJR: 0.32 SNIP: 1.51.
15. Panda, S., Tripathy, J. K. (2013): A comparative study of inclusion complexes of substituted indole derivatives with  $\beta$ -cyclodextrin. *Bulgarian Chemical Communications*, 45(1), 77- 83 (ISSN 0324-1130, IF:0.349, SJR:0.168, SNIP :0.32, h-index:8)
16. Panda, S. and Tripathy, U. P. (2013): Chemistry of quinazolone & its recent development: A Review. *Research Journal of Pharmacy and Technology*, 6(8):849-855. (ISSN. 0974-3618, SNIP: 0.135, SJR: 0.149)
17. Panda, S. and Singh, D.L. (2013) , Modification of environmental processes due to particulate accumulation. *Asian Journal of Research Chemistry*. 6(1), 46-49. ISSN. 0974-4169
18. Subudhi, M.B., Panda, S. (2013) Study of Pollution Load of River Potteru and its Possible Impact on Structure of DNA. *Asian Journal of Research in Chemistry*, 6(4), 331-333. (ISSN. 0974-4169, h-index:5)
19. Panda, S., Singh, D.L. and Sahu, R (2013) Study of antioxidant and anthelmintic properties of 1-Nicotinoyl-4-aryl-3-methyl 3a, 4-dihydropyrazole [3, 4c] pyrazoles and their inclusion complexes with  $\beta$ -cyclodextrin. *International Journal of Chemical and Pharmaceutical Sciences*. 4(2), 1-6. (ISSN. 0976-9390, IF:0.684, ICV:4.01)
20. Panda, S., Singh, D.L. and Nayak, S (2013) Studies on inclusion complexes of 1-Nicotinoyl-4-aryl-3-methyl 3a,4-dihydropyrazole[3,4c]pyrazoles with  $\beta$ -cyclodextrin. , *International Journal of Pharmaceutical Sciences & Drug research*. 5(3), 96-100. (ISSN: 0975-248X, IF: 0.685)
21. Panda, S. and Tripathy, U. P. (2013) **Oxygen** induced Bleaching in Pulp & Paper Industry: A Review *International Review of Biophysical Chemistry*, 4(6), 197-202. (ISSN. 2038-033X)
22. Panda, S. and Sahu, R (2013) Inclusion complex of 3-(2-chloro Phenyl) 4-methyl 2-thiocarbamoyl -3,3a-dihydro pyrazolo [3,4c] pyrazole: A Thermal, Spectral and Antimicrobial study. *International Journal of Multidisciplinary research* ,2(7),33-37 (ISSN. 2277-9302, h-index:3)
23. Panda, S, Panigrahi, J.C and Tripathy, U. P (2012): A Comprehensive Approach for the Characterization of Pulp and Paper Industry Post Oxygen Stage Effluent, *Research Journal of Chemical Sciences*, 2(7), 41-46. (ISSN 2250-9261)
24. Panda, S, R. Sahu and S.K. Nayak (2012): Studies on Inclusion complexes of 4-methyl 3-phenyl 2- thiocarbamoyl -3,3a dihydro pyrazolo [3, 4-c] pyrazole, *Journal of Chemical and Pharmaceutical Research*, 4(5):2540-2544. (ISSN.0975-7384, IF:0.467, SJR:0.32, SNIP :1.51)

25. Panda, S, Tripathy, J. K., and Panda.J.R. (2012), A Comparative Study of Antioxidant Properties of 2-[Substituted arylideamino]-1, 3, 4-thiadiazino [6, 5b] Indoles and Their Inclusion Complexes with  $\beta$ -Cyclodextrin. *International Journal of Pharmaceutical Sciences and Drug Research*, 4(3), 191-194. (ISSN 0975-248X, IF :0.685)
26. Panda, S. (2012) Detrimental impact of triplet oxygen in biosphere. *International Journal of Plant Physiology and Biochemistry*. 4(1), 20-22. (ISSN:2141-2162, DOI:10.5897/IJPPB)
27. Dash, N, Rath, I, Adhikary, S.P. Padhy ,S and Panda, S. (2012) Allelopathic impact of phyllode of *acacia auriculaeformis* on photosynthetic apparatus of rice leaves during seedling growth., *Asian Journal of Microbiology Biotechnology and Environmental Science.*, 14 (4) , 513-519. (ISSN 0972-3005 SJR:0.11)
28. Panda, S. and Tripathy. U. P.(2012) Oxidative Decomposition of Pollutants of Pulp and Paper Industry Effluents: A Review. *International Review of Biophysical Chemistry*, 3(6), 168-172. (ISSN. 2038-033X)
29. Panda, S. and Tripathy, J. K. (2012) A Comparative Study of Inclusion Complexes of Orthosubstituted [Arylidenamino]-1,3,4- thiadiazino[6,5b] Indole Derivatives., *E-Journal of Chemistry*, 9(3),1213-1222. (ISSN 09734945, IF:0.772, SNIP:0.758, SJR:0.307)
30. Garnaik, B.K, Panda, S. and Behera. B (2012) Studies on Inclusion complexes of 3-[4-(4'-oxothiazolidinyl-2-imino)-aryl]-5,6- dihydro-5-oxothiazolo[2,3-a] triazole derivatives with b-cyclodextrin., *Journal of Chemical and Pharmaceutical Research*, 4(11):4770-4773. (ISSN..0975-7384, IF :0.467, SJR:0.32, SNIP :1.51)
31. Panda, S., Subudhi, M. B. and Garnaik, B.K (2012) Study of the Possible Impact of Water of Potteru Irrigation Project on Structure of DNA. *Research Journal of Pharmacy, Biology and Chemical Science.*, 3(4),612-616 (ISSN No.0975-8585, IF :0.35, SJR:0.16)
32. Tripathy, U. P., Panigrahi, J. C. and Panda, S (2011), Kinetics of Ozone Induced Decolourization of Effluents of Pulp and Paper Industry. *Asian Journal of Research in Chemistry*, 4(2):195-199. (ISSN 0974-4169, h-index: 5).
33. Panda, S and Tripathy, J. K. (2011) Thermodynamic and Spectral Studies of Inclusion Complexes of Substituted Indole Derivatives with  $\beta$ -Cyclodextrin., *Asian Journal of Chemistry*; 23(4), 1631-1635. (ISSN 09707077, IF:0.45, SNIP:0.411, SJR:0.165, h-index:17)
34. Panda, S and Dash, S.K. (2011) Studies on Inclusion Complex of 2-[4'-Benzylidene-2'-phenyl-5'-oxo-1',3'-thiazolidine]-1,3-benzothiazole., *Asian Journal of Chemistry*, 23(7),3040-3044.( ISSN 09707077, IF:0.45, SNIP:0.411, SJR:0.165, h-index:17)
35. Panda, S and Tripathy, J. K. (2011) Studies on Inclusion Complexes of Nitrosubstituted Indole Derivatives., *Asian Journal of Research in Chemistr*,4(5),805-809. (ISSN 0974-4169, h-index:5)
36. Nanda, P.M. Garnaik, B.K. Panda, S. (2011) Studies on fluoride pollution in ground water of Angul-Talcher industrial complex of Odisha,India., *Asian Journal of Chemical and Environmental Research.*,4,13-16. (ISSN:0974-3049)

37. Panda, S and Tripathy, J. K., (2011) Thermodynamic, Spectral and Antimicrobial properties of inclusion complexes of 2-[Benzylidenamino]-1,3,4-thiadiazino[6,5b] Indole and [Furfurilidenamino]-1,3,4-thiadiazino[6,5b] Indole: A Comparative study., *Research Journal of Pharmacy and Technology*, 4(11), 1693-1698. (ISSN 0974-3618, SNIP:0.135, SJR:0.149)
38. Panda, S and Dash, S.K (2011) A Comparative Study of the Inclusion Complexes of 2-[5'-benzylidene-2'-phenyl-4'-oxo-1', 3'-thiazolidine]- 1, 3-benzothiazole and 2-[5'-(p-N,N-dimethylaminobenzylidene)- 2'-phenyl-4'-oxo-1', 3'-thiazolidine]- 1, 3-benzothiazole with  $\beta$ -Cyclodextrin., *E-Journal of Chemistry*, 8(3), 1030-1037. (ISSN 09734945, IF: 0.772, SNIP:0.758, SJR:0.307)
39. Panda, S, Dash, A. K, and Panda, S. K (2011) Modification of Lipid-Protein Organisation of Thylakoid Membrane by Means of Cadmium Ion., *International Journal of Research in Chemistry and Environment*, 1(2), 127-131. (ISSN 2248-9649, IF: 0.423)
40. Panda, S (2011) Hydroxyl radical: A key species in the atmospheric Reaction. *International Review of Biophysical Chemistry*. 2(2):61-64. (ISSN 2038-033)
41. Panda, S. (2012) Differential action of toxic metal ions on Thylakoid membrane lipid peroxidation. *International Review of Biophysical Chemistry*, 3(4), 66-69. (ISSN 2038-033X)
42. Panda, S and Dash, S.K (2010), Synthesis and biological significance of inclusion complexes of 2-[5'-benzylidene-2'-phenyl-4'-oxo-1', 3'-thiazolidine]-1, 3-benzothiazole and 2-[5'-(o-nitrobenzylidene)-2'-phenyl-4'-oxo-1', 3'-thiazolidine]-1, 3-benzothiazole with  $\beta$ -cyclodextrin., *Journal of Chemical and Pharmaceutical Research*, 2(5):449-457. (ISSN 0975-7384, IF: 0.467, SJR: 0.32 SNIP: 1.51)
43. Panda, S and Tripathy, J. K. (2010), Studies on inclusion complexes of substituted indole derivatives with activating and deactivating group. *Journal of Chemical and Pharmaceutical Research*, 2(3), 722-732. (ISSN 0975-7384, IF :0.467, SJR:0.32, SNIP :1.51)
44. Nayak, S. S. Panda, S Panda, P.M and Padhy. S. (2010) Studies on acridone derivatives with and without inclusion complex formation with  $\beta$ -CD, *Bulgarian Chemical Communication*, 42, 147-152. (ISSN 0324-1130, IF:0.349 SJR:0.168 SNIP :0.32, h-index:8)
45. Nanda, P.M. Garnaik, B.K. and Panda, S (2010) Study of physico-chemical characteristics of water of river Brahmani at the vicinity of Angul-Talcher industrial complex of Orissa., *Asian Journal of Chemical and Environmental Research*., 3, 72-78. (ISSN 0974-3049)
46. Panda, S and Dash, H.K (2010), Environmental impact of nitrogen oxide accumulation and some remedial measures. *Journal of Environmental Research and Development*. 4(3), 803-806. (ISSN: 23195983, IF: 0.307, h-index:8)
47. Panda S. (2010). Organic reaction and Mechanism, New Delh, Vrinda Publication.

#### **Dr. Bamakanta Garnaik**

1. Nanda, P.M., Maharana, J.K., Chittaranjan, D., Charanjit, S. and Garnaik, B.K., (2015) Study of water quality index of ground water in Talcher-Angul Industrial complex, Odisha. *Int. J.Sc. Env. Tech.*, 3 (1) 250-255 (IF: 1.79)
2. Garnaik, B.K. and Dash, S., (2015) Synthesis and antibacterial study of inclusion complexes of 2-(Benzothiazolyl-2')-azino-5-arylidene-4-thiazolidinone. *J. Chem. Pharm. Res.*, 5 (7) 102-108 (IF: 0.36, SNIP: 0.54, SJR:0.32)

3. Singh, R.N., Sahoo, S., Mishra, U.K., Garnaik, B.K., Sahoo, S.K. and Hati, D., (2014) Stability indicating RP-HPLC method development and validation of Noxifloxacin. *Int. J. Res. Pharm. Chem.*, 4(1), 131-140
4. Sahu, S., Narayan, U.L., Garnaik, B.K. and Patro, S.K., (2014) Bio-analytical method development and validation of Voriconazole using LC-MS/US. *Res. J. Pharm. Bio. Chem. Sc.*, 5(3), 1783-1793 (IF: 0.35, SNIP: 0.24, SJR: 0.15)
5. Narayan, U.L., Garnaik, B.K., Patro, S.K. and Sahu, S., (2014) HPTLC methods for determination of Gemifloxacin mesylate in Rabbit Plasma. *British J. Pharm. Res.*, 4 (14) 1707-1714 (IF: 4.12, h-index:10)
6. Mishra, T.K., Maharana, J.K., Nanda, P.M. and Garnaik, B.K., (2014) Study of water quality index of Brahmani river water in Talcher-Angul Industrial Vicinity, Odisha, *Int. J. Curr. Res.*, 6 (6), 7049-7052 (IF: 5.34, h-index:4)
7. Garnaik, B.K. and Dash, S. (2014): Recent advances and potential antimicrobial activities of thiazolidinone derivatives: A Review. *Asian J. Res. Chem.*, 7(4), 1-12 (h-index:5)
8. Sahu, S., Narayan, U.L., Garnaik, B.K., and Patro, S.K., (2013) Stability Indicating RB-HPLC method for determination of Ezetimibe in pure and pharmaceutical formulation. *Int. J. Res. Pharm. Biomed.Sc.*, 4 (4) 1249-1255 (Citation: 4)
9. Singh, R.N., Sahoo, S., Mishra, U.K., Garnaik, B.K., Sahoo, S.K., and Hati, D., (2013) Stability indicating RP-HPLC method development and validation of Norfloxacin. *American J. Adv. Drug Delivery*, 1(5) 743-758 (IF: 0.64, Citation: 1)
10. Acharya, P.K., Raju, M.B.V., Garnaik, B.K., Panda, D., and Parida, S.K., (2013) Anthelmintic potential of some selected plants having nutritional value used by Tribals of Ganjam district, Odisha-India, *Elixir Pharmacy*, 54, 12622-12624 (IF: 5.52)
11. Maharana, J.K., Nanda, P.M., and Garnaik, B.K., (2013) Eutrofication due to Industrialization in Angul-Talcher Industrial Complex of Odisha, *Int. J. Sc. Env. Tech.*, 2 (1), 20 – 27 (IF: 1.79)
12. Garnaik, B.K., Panda, S., Satyabhama, T., Tripathy, U.P., (2013) Seasonal variation of Nagavali river water quality at the vicinity of paper mill near J.K.Pur, Odisha, India. *Int.Res. J. Environment sci*, 2 (5), 46-52 (IF: 0.99, SNIP: 0.54, SJR: 0.34)
13. Panda, S., Subudhi, M.B. and Garnaik, B.K., (2012) Study of thr Possible Impact of Water of Potteru Irrigation Project on Structure of DNA, *Res. J. Pharm. Bio. Chem. Sc.*, 3 (4), 612-616 (IF:0.35, SNIP: 0.24, SJR: 0.15)
14. Sahu, S., Patro, S.K., Swain, T.R., Narayan, U.L. and Garnaik, B.K. (2012) Validation of HPLC method for determination of Stavudine in Human Plasma, *I. J. Pharm. Res. Bio. Sc.*, 1(6), 397-407 (IF: 0.52)
15. Sahu, S., Patro, S.K., Narayan, U.L., and Garnaik, B.K., (2012) Ion -pair spectrophotometric estimation of gemifloxacin, *Pharm. Methods*, 3(1), 26-30 (IF: 1.8, citation 2)

16. Maharana, J.K., Nanda, P.M., and Garnaik, B.K., (2012) Correlation, Regression Study on Physico-chemical parameters of ground water of Angul-Talcher Industrial Complex of Odisha *Env. Poll. Control J.*, 16(1), 42-46 (IF: 3.9)
17. Acharya, P.K., Raju, M.B.V, and Garnaik, B.K., (2012) Anti-oxidant Potential of Some Selected Plants Having Nutritional Value Used by Tribes of Ganjam District, Odisha-India, *J. Adv. Pharm. Res.*, 3(2), 20-28 (IF: 0.79)
18. Garnaik, B.K., Panda, S., and Bedabyas, B., (2012) Studies on Inclusion complexes of 3-[4-(4'-Oxothiazolidinyl-2-imino)-aryl]-5, 6-dihydro-5-oxothiazolo [2, 3-a] triazole derivatives with  $\beta$ -cyclodextrin. *J. Chem.Pharm.Res.*, 4 (11) 4770-4773 (IF: 0.36, SNIP: 0.54, SJR: 0.34)
19. Nanda, P. M., Garnaik, B. K. and Panda, S., (2011) Studies on fluoride pollution in ground water of Angul-Talcher industrial complex of Orissa, *Asian J. Chem. Env. Res.*, 4, 13-16, (IF: 0.34)
20. Charan, D.C. Sahu, S., Narayan, U.L. and Garnaik, B.K. (2011) Simple and Rapid Spectrophotometric Estimation of Nimesulide in Bulk Drug and Liquid Dosage Formulations, *Asian. J. Pharm. Clinical Res.*, 4(1), 100-101 (IF: 0.51, SNIP: 0.78, SJR: 0.4, h-index:7)
21. Nanda, P. M., Garnaik, B. K. and Panda, S. (2010) Studies on Physico-chemical characteristic of water of Brahmani river at the vicinity of Angul-Talcher industrial complex of Orissa, *Asian J. Chem. Env. Res.*, 3, 72-78 (IF: 0.34)

#### Dr. Satyanarayan Sahoo

1. Geetharani, k., Bose, S. K., Sahoo, S., Ghosh, S. (2011). A Family of Heterometallic Cubane-Type Clusters with an exo-Fe (CO) 3 Fragment anchored to the Cubane. *Angew. Chem. Int. Ed.*, 50 (17), 3908–3911. (Cited by: 36, SNIP: 2.252, SJR: 5.149, IF: 11.26, h-index: 188)
2. Geetharani, k., Bose, S. K., Sahoo, S., Varghese, B., Mobin, S. M., Ghosh, S. (2011). Cluster Expansion Reactions of Group 6 and 8 Metallaboranes Using Transition Metal Carbonyl Compounds of Groups 7–9. *Inorg. Chem.*, 50(12), 5824–5832. (Cited by: 13, SNIP: 1.29, SJR: 1.681, IF: 4.762, h-index:77)
3. Thakur, A., Sahoo, S., Ghosh, S. (2011). A Homometallic Tricapped Cubane Cluster: [(Cp\*Mo) 4B4H4 ( $\mu$ 4-BH)3] (Cp\* =  $\eta$ 5-C5Me5). *Inorg. Chem.*, 50(17), 7940–7942. (Cited by: 6, SNIP: 1.29, SJR: 1.681, IF: 4.762, h-index:77)
4. Bose, S. K., Geetharani, K., Sahoo, S., Reddy, K. H. K., Varghese, B., Jemmis, E. D., Ghosh, S. (2011). Synthesis, Characterization, and Electronic Structure of New Type of Heterometallic Boride Clusters. *Inorg. Chem.*, 50(19), 9414–9422. Cited by: 12, SNIP: 1.29, SJR: 1.68, IF: 4.762, h-index: 77)
5. Dhayal, R. S., Joseph, P. S., Sahoo, S., Ghosh, S. (2011) Synthesis and structural characterization of an open cage dithiatungstaborane [(CpW) 2B4H4S2] cluster. *Ind. J. Chem.* 50A, 1363-1368. (Cited by: 2, SNIP: 0.477, SJR: 0.2, IF: 0.851, h-index:14)
6. Sahoo, S., Mobin, S. M., Ghosh, S. (2010): Direct insertion of sulfur, selenium and tellurium atoms into metallaborane cages using chalcogen powders. *J. Organomet. Chem.* 695 (7), 945-949. 30 (Cited by: 30, SNIP: 0.733, SJR: 0.636, IF: 2.713, h-index:29 )



7. Dhayal, R. S., Sahoo, S., Reddy, K. H. K., Mobin, S. M., Jemmis, E. D., Ghosh, S. (2010) Vertex-Fused Metallaborane Clusters: Synthesis, Characterization and Electronic Structure of  $[(\eta^5\text{-C}_5\text{Me}_5\text{Mo})_3\text{MoB}_9\text{H}_{18}]$  *Inorg. Chem.* 49 (3), 900-904. (Cited by: 14, SNIP:1.29, SJR: 1.681, IF: 4.762, h-index:77)

#### Dr. Laxmidhar Rout

1. Jungbauer, S.H, Walter, S.M., Schindler, S., Rout, L., Kniep, F., Huber, S.M. (2014), Activation of a carbonyl compound by halogen bonding. *Chemical Communications* 50 (47), 6281-6284 (Cited by 22, SNIP: 1.42, IF: 6.84, h-index: 130)
2. Jungbauer, S.H., Schindler, S., Kniep, F., Walter, S.M., Rout, L., Huber, S.M., (2013), Multidentate halogen-bond donors as Lewis acidic activators or catalysts in halide abstraction reactions. *Synlett* 24 (20), 2624-2628 (Cited by 12, SNIP: 0.55, SJR:0.85, IF: 2.30, h-index:29)
3. Walter, S.M., Kniep, F., Rout, L., Schmidtchen, P.F., Herdtweck, E., Huber, S.M., (2012), Isothermal calorimetric titrations on charge-assisted halogen bonds: role of entropy, counterions, solvent, and temperature. *Journal of the American Chemical Society* 134 (20), 8507-8512 (Cited by 46, SNIP: 2.52, IF: 12.5, h-index: 199)
4. Kniep, F., Rout, L., Walter, S.M., Bensch, S.K.V., Jungbauer, S.H., Herdtweck, E. (2012), 5-Iodo-1, 2, 3-triazolium-based multidentate halogen-bond donors as activating reagents. *Chemical Communications* 48 (74), 9299-9301 (Cited by 31, SNIP:1.42, Impact factor:6.84, h-index:130)
5. Perera, S., Naganaboina, V.K., Wang, L., Zhang, B., Guo, Q., Rout, L., Zhao, C.G., (2011), Organocatalytic Highly Enantioselective Synthesis of  $\beta$ -Formyl- $\alpha$ -hydroxyphosphonates *Advanced synthesis & catalysis* 353 (10), 1729-1734 (Cited by 25, IF: 5.6, h-index:57)
6. Rout, L., Regati, S., Zhao, C.G., (2011), Synthesis of  $\alpha$ -Arylphosphonates using Copper-Catalyzed  $\alpha$ -Arylation and Deacylative  $\alpha$ -Arylation of  $\beta$ -Ketophosphonates. *Advanced synthesis & catalysis* 353 (18), 3340-3346 (Cited by 9, IF: 5.6, h-index:57)

#### Dr. Ganggam Phaomei

1. Phaomei, G., Yaiphaba, N., (2015),  $\text{Ce}^{3+}$  sensitize  $\text{RE}^{3+}$  (RE = Dy, Tb, Eu, Sm) doped  $\text{LaPO}_4$  nanophosphor with white emission tenability. *Advances in Nano Research*, 3, (2) 55-66 (DOI: <http://dx.doi.org/10.12989/anr.2015.3.2.055>).
2. Victory Devi, Ch., Ganggam Phaomei, Yaiphaba, N., Rajmuhon Singh, N., (2014) Luminescence behavior of  $\text{YVO}_4:\text{Dy}^{3+}$  phosphors with enhanced photoluminescence on co-doping  $\text{Bi}^{3+}$  ions. *Journal of Alloys and Compounds*, 583, 259-266  
DOI: <http://dx.doi.org/10.1016/j.jallcom.2013.08.139> (Cited by 20, SNIP: 1.64, SJR: 1.09, IF: 2.99, h-index: 61)
3. Phaomei, G., Rameshwor, S.W. (2013). Effect of solvent on luminescence properties of re-dispersible  $\text{LaF}_3:\text{Ln}^{3+}$  ( $\text{Ln}^{3+} = \text{Eu}^{3+}, \text{Dy}^{3+}, \text{Sm}^{3+}$  and  $\text{Tb}^{3+}$ ) nanoparticles. *Journal of Rare Earths*, 31, 347-355.  
DOI: 10.1016/S1002-0721(12)60284-1 (Cited by 5, SNIP: 1.01, SJR: 0.53, IF: 1.6, h-index: 23)
4. Romeo, S. L., Rameshwor, S. W., Phaomei, G., Shanta, S. N., (2013). Blue and green emission from  $\text{Ce}^{3+}$  and  $\text{Tb}^{3+}$  co-doped  $\text{Y}_2\text{O}_3$  nanoparticles. *Journal of Luminescence*. 140, 95-102. DOI: <http://dx.doi.org/10.1016/j.jlumin.2013.02.049> (Cited by 8, SNIP: 1.34, SJR: 0.77, IF: 2.71, h-index: 37)

5. Reena, O., Phaomei, G., Rajmuhon, S. N., (2013). Water driven enhanced photoluminescence of Ln (= Dy<sup>3+</sup>, Sm<sup>3+</sup>) doped LaVO<sub>4</sub> nanoparticles and effect of Ba<sup>2+</sup> co-doping. *Materials Science and Engineering: B*, 178, 409-416.  
DOI: <http://dx.doi.org/10.1016/j.mseb.2013.01.007> (Cited by 5, SNIP: 1.32, SJR: 0.76, IF: 2.16, h-index: 35)
6. Phaomei, G., Rameshwor, S. W., Shanta, S. N., Ningthoujam, R.S. (2013). Luminescence properties of Ce<sup>3+</sup> co-activated LaPO<sub>4</sub>:Dy<sup>3+</sup> nanorods prepared in different solvents and tunable blue to white light emission from Eu<sup>3+</sup> co-activated LaPO<sub>4</sub>:Dy<sup>3+</sup>, Ce<sup>3+</sup>. *Journal of Luminescence*, 134, 649–656  
DOI: <http://dx.doi.org/10.1016/j.jlumin.2012.07.014> (Cited by 12, SNIP: 1.34, SJR: 0.77, IF: 2.71, h-index: 37)
7. Shanta, S.N., Ningthoujam, R.S., Phaomei, G., Dorendrajit, S.S., Vinu, A., Vatsa, R.K. (2012).  
Re-dispersion and film formation of GdVO<sub>4</sub>: Ln<sup>3+</sup> (Ln<sup>3+</sup> = Dy<sup>3+</sup>, Eu<sup>3+</sup>, Sm<sup>3+</sup>, and Tm<sup>3+</sup>) nanoparticles: particle size and luminescence studies. *Dalton Transactions*, 41, 4404-4412,  
DOI: 10.1039/c2dt12190e (Cited by 36, SNIP: 1.07, SJR: 1.28, IF: 4.19, h-index: 70)
8. Phaomei, G., Ningthoujam, R.S., Rameshwor, S.W., Romeo, S.L., Shanta, S.N., A shutosh, R., Juluri, R.R., Vatsa, R.K. (2011). Luminescence switching behavior through redox reaction in Ce<sup>3+</sup> co-doped LaPO<sub>4</sub>:Tb<sup>3+</sup> nanorods: Re-dispersible and polymer film. *Dalton Transactions*, 40, 11571-11580.  
DOI: 10.1039/c1dt11264c (Cited by 19, SNIP: 1.07, SJR: 1.28, IF: 4.19, h-index: 70)
9. Phaomei, G., Rameshwor, S.W., Ningthoujam, R.S. (2011). Solvent effect in monoclinic to hexagonal phase transformation in LaPO<sub>4</sub>: RE (RE = Dy<sup>3+</sup>, Sm<sup>3+</sup>) nanoparticles: Photoluminescence study. *Journal of Luminescence*, 131, 1164–1171.  
DOI:10.1016/j.jlumin.2011.02.023 (Cited by 38, SNIP: 1.34, SJR: 0.77, IF: 2.71, h-index: 37)
10. Phaomei, G., Ningthoujam, R.S., Rameshwor, S.W., Shanta, S.N., Niraj, L.M., Tewari, R., Vatsa, R.K. (2010). Low temperature synthesis and luminescence properties of re-dispersible Eu<sup>3+</sup> doped LaPO<sub>4</sub> nanorods by ethylene glycol route. *Optical Materials*, 32, 616- 622.  
DOI:10.1016/j.optmat.2009.12.009 (Cited by 38, SNIP: 1.19, SJR: 0.69, IF: 1.98, h-index: 34)
11. Loitongbam, R.S., Singh, W.R., Phaomei, G. and Singh, N.S. (2010): Studies on Electrodeposition of Highly Oriented Three Dimensional ZnO Microarrays. AIP Conference Proceedings, 1276 (1), 100-106 (cited by 1)  
DOI:10.1063/1.3504272

Department of Computer Science



## BRIEF PROFILE OF THE DEPARTMENT COMPUTER SCIENCE

1	Name of the Department	: <b>Computer Science</b>
2	Year of the Establishment	: <b>1986</b>
3	Courses/Programmes and Subject combinations offered	: <b>i. Master in Computer Applications ii. M. Tech in Computer Science</b>
4	Number of teaching posts Sanctioned Filled	➤ <b>Sanctioned : 09</b> ➤ <b>Filled: 05</b>
5	Number of Technical Staff present	: <b>01</b>
6	Number of Students ( Men / Women) Give Details Course Wise	➤ <b>P.G: 50(M) 41(F) Total : 91</b> ➤ <b>M. Tech. 12(M) 19(F) Total : 31</b>
7	Ratio of Teacher to Students	: <b>1: 18</b>
8	Ration of Teachers to Research Scholars	: <b>1: 5</b>
9	Number of Teachers Scholars who have obtained their master's degree from other institutions	: <b>02</b>
10	Number of Teachers in Academic Bodies of other Autonomous Colleges and Universities	: <b>03</b>
11	Latest revision of the curriculum ( year)	: <b>2015 (CBCS)</b>
12	Number of student passed in NET/ SLET etc. ( last 5 years)	: <b>NIL</b>
13	Success Rate of Students	: <b>100%</b>
14	Demand Ratio ( No. of applications)	: <b>Admission is through state level entrance test (OJEE)</b>
15	Awards and recognition received by faculty ( last 5years)	: <b>Nil</b>
16	Faculty who have attended National/ International Seminars ( last 5 years) (numbers only)	➤ <b>National: 04</b> ➤ <b>International : 02</b>
17	Number of National Seminars Organized ( Last 5 years)	: <b>01</b>
18	Number of Teachers engaged in consultancy and the revenue generated	: <b>There is no consultancy, but revenue is being generated through the M.Tech. Course offered in self-financed mode wherein all the teachers are engaged.</b>
19	Number of Ongoing projects and their total outlay	: <b>Faculty members have submitted projects to different funding agencies</b>
20	Research project completed during last five years & their Outlay	: <b>Nil</b>
21	Number of inventions and patents	: <b>Nil</b>
22	Number of Ph. D theses guided during the last five years	: <b>19</b>
23	Publication by faculty (last five years)	: <b>114</b>
24	Average citation index (C.I.) and impact factor (I.F) of publication	: <b>C. I.: Range: 1-65, Avg.: 11.79</b> <b>I.F.: Range: 0.1-5.88, Avg: 2.04</b>
25	Number of Books in the Department library, if any	: <b>e-library</b>
26	Number of Journals / Periodicals in the departmental library	: <b>The Central library subscribes to journals/periodicals in Computer science.</b>
27	Number of Computers in the department	➤ <b>Working condition: 40</b>
28	Annual Budget ( Excluding Salary) In Rupees	:
	➤ Equipment	: <b>Rs. 18 lakhs</b>
	➤ Books and Journals	: <b>Rs. 2.16 lakh</b>
	➤ Other contingency	: <b>Rs. 1000/- for MCA</b>
	➤ Lab. Contingency	: <b>Rs. 1.2 lakh</b>

### Evaluative Report of the Department Computer Science

1. Name of the Department : **Computer Science**
2. Year of establishment : 1994
3. Is the Department part of a School/Faculty of the university? **Faculty of Science & Technology**
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.): **MCA, M.Tech, Ph.D. and D.Sc.**
5. Interdisciplinary programmes and departments involved: There is no interdisciplinary programme offered by the Department.
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : The department offers an Add-on Course on Computer Applications for Development Professionals in collaboration with NIRD & PR, Hyderabad.
7. Details of programmes discontinued, if any, with reasons: The one year PGDCA course has been discontinued as it is being offered under distance education mode.
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: CBCS has been introduced from the current academic session (2015-16) as per UGC guidelines.
9. Participation of the department in the courses offered by other departments: Teachers of this department teach computer related courses in other departments/centers such as Women's Studies and Research Centre (WSRC).
10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors) :

Post	Sanctioned (for MCA)	Filled	Actual (including CAS & MPS)
Professor	1	0	1(CAS)
Associate Professors/Reader	3	1	2(CAS)
Asst. Professors/Lectures	5	4	2

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
Jayaram Pradhan	Ph.D.	Professor (CAS)	Data Structure, Algorithm, Cryptography	30	03
Manas Ranjan Patra	Ph.D.	Reader(CAS)	Intelligent Systems, Data mining, SoC, IDS	27	08
Susant Kumar Das	Ph.D.	Reader(CAS)	MIS, Software Engineering	22	11
Satya Narayan Tripathy	Ph.D.	Lecturer	Computer Networks	15	



- II. Modern Approaches of Data Mining: Theory and Practice, Narosa Publishing, India, ISBN: 978-81-8487-442-6. Authors: M. Panda, S Dehuri, and M. R. Patra (2015).
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) :
  - Citation Index – range / average: Range: 1-65, Average: 11.79
  - SNIP
  - SJR
  - Impact Factor – range / average: Range: 0.1-5.88, Average: 2.04
  - h-index : Prof. J Pradhan: 04, Dr. M R Patra: 14, Dr. B Khuntia: 03
23. Details of patents and income generated : NIL
24. Areas of consultancy and income generated : NIL
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : NIL
26. Faculty serving in
- d) National committees
  - b) International committees
  - c) Editorial Boards
  - d) any other (please specify): Served in Program Committees of International conferences, paper review committee, State selection committee (OPSC)
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):
- i) Two teachers have acted as Resource Persons
  - ii) Three of our teachers have undergone Orientation courses
28. Student projects
- a. percentage of students who have done in-house projects including inter-departmental projects: 10%
  - b. percentage of students doing projects in collaboration with other universities / industry / institute : 90%
29. Awards / recognitions received at the national and international level by
- a. Faculty : None
  - b. Doctoral / post doctoral fellows : None
  - c. Students : None
30. Seminars/ Conferences/Workshops organized and the source of funding ( National/ International) with details of outstanding participants, if any.

Sl. No.	Date	Title of the Seminar/Conference/Workshop	No. of participants
1.	8 <sup>th</sup> -9 <sup>th</sup> February 2013	UGC Sponsored National Seminar on Advances in Information and Communication Technology (NSAICT-2013)	120 (approx)

31. Code of ethics for research followed by the department :

- Authorship of an article and the order of authors are determined based on the actual contribution of a researcher in a work.
- Due acknowledgement is given to persons/data sources/agencies which contribute in some way to the research.

- The research pursued by the faculty and scholars are presented in seminars among the peer group for feedback and suggestions are sought for improvement.
  - Utmost care is taken to avoid plagiarism in research
32. Student profile programme-wise: 2014-15

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MCA	Data not available as admission is done through OJEE	50	41	100%	100%
M.Tech.		12	19	100%	100%

33. Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MCA	60%	40%	Nil	Nil
M.Tech.	39%	61%	Nil	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. : None
35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	NA
PG to Ph.D.	04
Ph.D. to Post-Doctoral	NIL
Employed	
Campus selection	--
Other than campus recruitment	92% (approx.)
Entrepreneurs	--

36. Diversity of staff

Faculty who are graduates	Percentage
of the same university	80
from other universities within the State	20
from universities from other States	NIL
from universities outside the country	NIL

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: **Two**
38. Present details of departmental infrastructural facilities with regard to
- Library : e-Library facility is extended to the students
  - Internet facilities for staff and students :  
Dedicated BSNL Broadband Internet connection is available in the department for students and faculty members.
  - Total number of class rooms : Three Class rooms
  - Students' laboratories : One
  - Research laboratories: **No** separate Lab.
39. List of doctoral, Post-doctoral students and Research Associates
- from the host institution/university :
    - Mrutyunjaya Panda
    - Ramakant Mohanty
    - K V S N Rama Rao
    - K Hemant Ku. Reddy
    - S Padma Priya
    - Rakesh Nayak
    - M. Santhi Sri Rukmini
    - Satya Narayan Tripathy
    - Brojo Kishore Mishra
    - Raghunath Kar
    - Sasmita Padhy
    - Nilambar Sethi
    - Jagadish Panda
    - Ramakanta Padhy
  - from other institutions/universities : NIL
40. Number of post graduate students getting financial assistance from the university: - NIL
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.
- Student feedback
  - Public opinion
42. Does the department obtain feedback from
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
    - Feedbacks of the teachers are taken during Staff Council meetings/BoS meetings and decisions are made for changes in the curriculum and student evaluation process.
  - Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
    - Periodically, student feedbacks are taken based on which measures are adopted to improve upon the curriculum and teaching-learning experience.
  - Alumni and employers on the programmes offered and how does the department utilize the feedback?
    - Feedbacks of the alumni, working in the software industry, are taken into account to introduce new subjects which can better equip the students to meet the need of the evolving IT industry.

43. List the distinguished alumni of the department (maximum 10).
- i) Narendra Rath, Senior Director and Leader of NMS R&D, Alcatel Lucent, Bangalore
  - ii) Susil Kumar Behera, Principal Engineer, Innominds, Hyderabad
  - iii) Sitanshu Behera, Lead Software Engineer, Informatica, Bangalore
  - iv) Sadananda Behera, Lead Software Engineer, LG Soft India Pvt. Ltd.
  - v) Mohan Panigrahi, Senior R&D Engineer, Nokia, Bangalore
  - vi) Smruti Ranjan Pattanayak, Deputy Manager, NABARD, Bhubaneswar
  - vii) A Babula, Senior Technical Manager, Novell Software Development, Bangalore
  - viii) Santosh Kumar Das, Senior Technical Lead, LG Electronics, Bangalore
  - ix) Tapas Kumar Das, Senior Technical Lead, LG Electronics, Bangalore.
  - x) Monoj Mishra, Project Lead, Microsoft, Bangalore
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
- Special lecture by Prof. Arun Kumar Pujari, School of Computer & Information Sciences, Central University of Hyderabad on “Data Mining”.
  - Technical talk by Dr. R K Das, Technical Director NIC on “Open Source Software”.
  - Seminar talk by Dr. Laura Frost, Walsh College, USA on “Managing Software and Managing Man”.
  - Invited lecture by Prof. Hrushikesh Mohanty, School of Computer & Information Sciences, Central University of Hyderabad on “Understanding Society through Computation Models”.
  - Invited lecture by Dr. Sachidananda Dehuri, Fakir Mohan University on “Data Mining Approaches”
  - Motivational talk by Santosh Kumar Panigrahi, General Manager, RBI, Mumbai on “Life Skills”.
45. List the teaching methods adopted by the faculty for different programmes:
- ICT enabled teaching
  - Algorithm design and implementation
  - Software Project assignments
  - Interactive sessions on different recent technical innovations and software products
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- Through Mid-Term Tests
  - Project presentations
  - Conducting Quizzes
  - By student responses during theory and practical classes
  - Through problem-solving assignments
47. Highlight the participation of students and faculty in extension activities. :
- Teachers and students have contributed in the development of the University Web site.
  - Participation in tree plantation programmes.
  - Teachers have imparted training programmes to non-computer science students of this University in MS Office and different computer applications as part of computer-literacy drive.
  - Department undertakes outreach programmes to educate School students through Computer awareness programmes and related areas in the periphery of the University Campus.



48. Give details of “beyond syllabus scholarly activities” of the department. :
- Students are encouraged to deliver seminar talks on technical topics.
  - Students are involved in group discussions on socially relevant issues such as “Impact of Social media”, “Use and misuse of Internet”, “Role of students in University elections”, etc.
  - Students are encouraged to participate in conferences, seminars, workshops held outside the Department for better exposure.
  - Students contribute articles/news items on new technologies, software products, innovative computer applications to the Wall Magazine

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. : NO

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The department has contributed to knowledge in the following areas:

- Designing algorithms for cryptosystems
- Developing techniques for network intrusion detection
- Building software models for effective e-Governance

51. Detail five major Strength, Weakness, Opportunities and Challenges (SWOC) of the department.

#### **Strength**

- Experienced faculty members
- Professionally motivated students
- Employability of students
- Strong alumni
- Disciplined students

#### **Weakness**

- Inadequacy in infrastructural facilities
- Space crunch hinders physical growth of the Department
- Shortage of teaching hands as a result teachers are overloaded
- Limited exposure of students due to locational disadvantage
- Non-availability of specialized labs.

#### **Opportunities**

- Undertake projects to develop software to meet local needs
- Collaboration with local government to provide IT solution
- Explore joint venture with IT companies to establish labs.
- To provide consultancy services
- The “Digital India” initiative of the Government can open up employment opportunities

#### **Challenges**

- To cope with fast changing technological innovations
- To train students in state-of-the-art software tools with limited resources
- To motivate students for higher studies and research
- To keep the students motivated in the present job scenario
- To attract reputed IT companies for campus- placement

52. Future plans of the Department :

- To develop a well-equipped research lab. with high-end computers and software
- To establish specialized laboratories for MCA and M. Tech. students
- To offer M. Tech. as a regular full-time course and develop infrastructure for it
- To encourage full time Ph. D. with University Fellowship
- To partner with some IT companies like IBM, TCS, Infosys and establish training centers for skill development in order to create employment opportunities

**RESEARCH PUBLICATIONS (2010-2015)  
DEPARTMENT OF COMPUTER SCIENCE****Professor Jayaram Pradhan**

1. Nayak, R., Sastry, C. V., & Pradhan, J. (2010). An algorithmic Comparison between polynomial base and Matrix based NTRU cryptosystem. *International Journal of Computer and Network Security (IJCNS) Vol, 2*. (H-Index: 11)
2. Nayak, R., Pradhan, J., & Sastry, C. V. (2011). NTRU Digital Signature Scheme-A Matrix Approach. *International Journal of Advanced Research in Computer Science*, 2(1). (H-Index: 6)
3. Nayak, R., Pradhan, J., & Sastry, C. V. (2011). Reaction Attacks in the Matrix Scheme of NTRU Cryptosystem. In *Information Technology and Mobile Communication* (pp. 27-32). Springer Berlin Heidelberg. (H-Index: 11)
4. Nayak, R., Pradhan, J., & Sastry, C. V. (2012). Evaluation of Performance Characteristics of Polynomial based and Lattice based NTRU Cryptosystem. *International Journal of Network Security*, (IF: 0.230, H-Index: 21)

**Dr. Manas Ranjan Patra**

1. Panigrahi, A and Patra, M. R. (2015). An ANN based Approach for Network Intrusion Detection Using Entropy based Attribute Reduction. *International Journal of Network Security and its Applications*, 7(3), 15-29, ISSN: 0974-9330 (Online), 0975-2307(Print), DOI:10. 5121/ijnsa. 2015.7302.
2. Panigrahy, T. P., Patra, M.R. (2015). Business process coordination enabled by service oriented agent based workflow. Proceedings of the International Conference on Futuristic trend in Computational Analysis and Knowledge Management (ABLAZE-2015), (pp. 193-198), New Delhi: IEEE, DOI 10.1109/ABLAZE.2015.7154991, ISBN: 978-1-4799-8432-9.
3. Patro, V. M., Patra, M. R. (2015). A Novel Approach to Compute Confusion Matrix for Classification of n-Class Attributes with Feature Selection. *Transactions on Machine Learning and Artificial Intelligence*, UK, 3(2), 52-64, ISSN: 2054-7390. DBLP Computer Science Bibliography.
4. Patro, V. M., Patra, M. R. (2015). Classification of Web Services using Fuzzy Classifiers with Feature Selection and Weighted Average Accuracy. *Transaction on Network and communications*, UK, 3(2), 108-116. ISSN: 2054-7420. DBLP Computer Science Bibliography.
5. Patro, V. M., Patra, M. R. (2015). Quality Assessment of Web Services using Soft Computing Techniques. *Transactions on Networks and Communications*, UK, 3(1), 59-68, ISSN: 2054-7420. DBLP Computer Science Bibliography.
6. Tripathy, A. K., Patra, M. R. (2015). Citizen's Charter Validation. *International Journal of Emerging Technologies in Computational and Applied Sciences*, 223-226, ISSN: 2279-0055. EBSCO.
7. Panigrahy, T. P., Patra, M. R. (2015). An agent based service oriented model for supply chain management. *International Journal of innovations and advancement in computer science*, vol. 4, special issue, ISSN 2347-8616. DIIF (Impact factor: 2.65.)
8. Panigrahy, T. P., Patra, M. R. (2015). A Service oriented agent based workflow for business process coordination. *International Journal of Applied Engineering Research*, 10(2), 3029-3048, ISSN. 0973-4562 (Scopus, **H Index**: 5, SJR (2007-2014): 0.13.)
9. Das, T. K., Acharjya, D. P., Patra, M. R. (2015). General Characterization of Classifications in Rough set on two universal sets. *Information Resources Management Journal*, 28(2), 1-16, DOI:10.4018/IRMJ.2015040101. Scopus, ISSN: 1040-1628, 1533-7979.

10. Das, T. K., Acharjya, D. P., Patra, M. R. (2015). Multi Criterion Decision Making using Intuitionistic Fuzzy Rough Set on Two Universal, *International Journal of Intelligent Systems and Applications*, 2015, pp 26-33, DOI: 10.5815/ijisa.2015.04.04. ISSN: 2074-9058 (Online), (Impact Factor: 0.10, **ISI Web of Knowledge, EBSCO**)
11. Satpathy, S., Tripathy, A. K., Patra, M. R. (2015). Research Challenges on Web Service Based System Monitoring, *Proceedings of the IEEE Conference*. Dubai: IEEE ISSN: 978-1-4799-8433-6.
12. Panigrahi, A., Patra, M. R. (2015). An Evolutionary Computation Based Classification Model for Network Intrusion Detection. *Proceedings of the 11<sup>th</sup> International Conference, ICDCIT 2015*, (pp. 318-324). Bhubaneswar: Springer, ISBN 978-3-319-14976-9. (Scopus, ACM Digital Library, DBLP Computer Science Bibliography.)
13. Mohapatra, D., Patra, M. R. (2015). K-degree Closeness Anonymity: A Centrality Measure Based Approach for Network Anonymization”, *Proceedings of the 11<sup>th</sup> International Conference, ICDCIT 2015*, (pp. 299-310). Bhubaneswar: Springer, ISBN 978-3-319-14976-9. (Scopus, ACM Digital Library, DBLP Computer Science Bibliography.)
14. Parhi, M., Pattanayak, B. K., Patra, M. R. (2015). A Multi-agent-Based Framework for Cloud Service Description and Discovery Using Ontology. *Proceedings of the Intelligent Computing, Communication and Devices, ICCD 2014*, 1, (pp. 337-348). Bhubaneswar: Springer. (ISBN: 978-81-322-2011-4, ACM Digital Library.)
15. Bastia, A., Parhi, M., Pattanayak, B. K., Patra, M. R. (2015). Service composition using efficient multi-agents in cloud computing environment, *Proceedings of the Intelligent Computing, Communication and Devices, ICCD 2014*, 1, (pp. 357-370), Bhubaneswar: Springer. (ISBN: 978-81-322-2011-4. ACM Digital Library.)
16. Patra, M. R., Dash, A.R., Mishra, P. K. (2014). A Quantitative Analysis of WCAG 2.0 Compliance for Some Indian Web Portals. *International Journal of Computer Science, Engineering and Applications*, AIRCC, Australia. 4(1), 9-23. (DOI:10.5121/ijcsea.2014.4102. ISSN: 2231-0088. Cited by 1.)
17. Patra, M. R., Patro, V. M. (2014). Performance Analysis of Selected Classifiers in User Profiling. *International Journal of Data Mining Techniques and Applications*, 03, 347-354. (ISSN: 2278-2419.)
18. Patro, V. M., Patra, M. R. (2014). Augmenting Weighted Average with Confusion Matrix to Enhance Classification Accuracy. *Transactions on Machine Learning and Artificial Intelligence*, UK, 2(4), 77-91. (ISSN: 2054-7390. DBLP Computer Science Bibliography, Cited by 3.)
19. Panigrahi, A., Patra, M. R. (2014). Enhancing the Capability of IDS using Fuzzy Rough Classifier with Genetic Search Feature Reduction. *Transactions on Networks and Communications*, UK, 1-13. (ISSN: 2054-7420. DBLP Computer Science Bibliography.)
20. Panigrahy, T. P., Patra, M. R. (2014). An agent based model for cross-enterprise supply chain management. *Transactions on Networks and Communications*, UK, 2(4), 107-129. (ISSN: 2054-7420. DBLP Computer Science Bibliography, Cited by 1.)
21. Parhi, M., Pattanayak, B.K., Patra, M. R. (2014). A Multi-Agent-Based Qos-Driven Web Service Discovery and Composition Framework. *ARPN Journal of Engineering and Applied Sciences*, 9(4), 542-553. (ISSN 1819-6608. Scopus, Global Impact Factor: 0.524.)
22. Tripathy, A. K., Patra, M. R. (2014). Run-Time Monitoring of SLA for WSBS at Application Layer. *International Journal of Software and Web Sciences*. 100-104, (ISSN: 2279-0071.)
23. Satpathy, S., Tripathy, A. K., Pradhan, S. K., Patra, M. R. (2014). A Survey and Analysis of Web Service Composition. *International Journal of Software and Web Sciences*. 23-27. (ISSN: 2279-0071. Impact Factor Count Value: 5.88, <http://iasir.net/journals.html>.)
24. Patra, M. R., Dash, A. R., Mishra, P. K. (2014). Accessibility Analysis of Government Web Portals of Asian Countries. *Proceedings of the International Conference on Electronic*

- Governance*. ICEGOV-2014, Guimaraes, Portugal: ACM, (pp. 383-386). (ISBN: 978-1-60558-611-3. ACM Digital Library.)
25. Das, T. K., Acharjya, D. P., Patra, M. R. (2014). Business Intelligence from Online Product Review - A Rough Set Based Rule Induction Approach. *Proceedings of the International Conference on Contemporary computing and informatics*, Coimbatore: IEEE. (pp. 800-803). (DOI: 10.1109/IC3I.2014.7019662.)
  26. Tripathy, A. K., Patra, M. R. (2014). Dynamic Web Service Composition with QoS Clustering. *Proceedings of the International Conference on Web Services (ICWS)*, India: IEEE, (pp. 678-679). (ISBN: 978-1-4799-5053-9.)
  27. Das, T. K., Acharjya, D. P., Patra, M. R. (2014). Opinion Mining about a Product by Analyzing Public Tweets in Twitter. *Proceedings of the International Conference on Computer Communication and Informatics*. India: IEEE, (pp. 1-4). (ISBN: 978-1-4799-2353-3.)
  28. Reddy, H. K., Patra, M. R., Roy D. S. (2014). A Comprehensive performance tuning scheduling framework for computational desktop grid. *Proceedings of the International Journal of Grid and Distributed Computing*, 7(1), (pp. 149-168). (DOI: 10.14257/ijgdc.2014.7.1.14.)
  29. Parhi, M., Pattanayak, B. K., Patra, M. R. (2014). An Automated Semantically Enabled Fuzzy Based SLA in Cloud Computing Environment using Multi-Agent System. *Proceedings of the 5th joint International Conference on Swarm, Evolutionary and Memetic Computing (SEMCCO 2014) & Fuzzy and Neural Computing (FANCCO 2014)*, India: Springer.
  30. Mohanty, R., Ravi, V., Patra, M. R. (2013). Hybrid intelligent systems for predicting software reliability. *Applied Soft Computing*, Elsevier, 13, 189-200. (DOI:10.1016/j.asoc.2012.08.015. Elsevier Journal, SCImago Journal Rank (SJR): 2.220, IF: 2.810, 5-Years Impact Factor: 3.222, Scopus. Cited by 17.)
  31. Reddy, H. K., Patra, M. R., Roy D. S. (2013). SLA Constrained Adaptive Scheduling of Parallel Jobs in a Computational Desktop Grid. *International Journal of Computer Applications*. 72(15), 32-36, (DOI: 10.5120/12574-9308. ISSN-2250-1797 IF: 3.12, H. INDEX: 4.9.)
  32. Panigrahy, T. P., Patra, M. R. (2013). Agent based cross-organizational workflow for business process management. *International Journal of Computer Engineering*. 5(2), 97-101.
  33. Reddy, H. K., Patra, M.R., Roy D. S. (2013). An Automated Performance Tuning Scheduling Framework for Computational Jobs in Desktop Grid. *International Journal of Innovations in Engineering and Technology*, 2(3), 54-6, (ISSN: 2319-1058, IF: 0.672.)
  34. Panigrahi, A., Patra, M. R. (2013). A Hybrid Model for Intrusion Detection Using Fuzzy Rough Theory with Feature Reduction. *International Journal of Computer Networks and Security*, Recent Science Publications, 23(2), 1184-191. (ISSN: 2051-6878. IF: 2.561.)
  35. Padhy, R. P., Patra, M. R. (2013). Architecture and Design of Affordable and Highly Available Enterprise Cloud Service. *International Journal of Cloud Computing and Services Science*, IAES, 2(2), 85-105. (DOI: 10.11591/closer.v2i2.1527. ISSN: 20893337.)
  36. Das, R. K., Patra, M. R., Misro, A. K. (2013). Cloud Immunization and security for e-Governance Applications. *International Journal of Cloud Computing and Services Science*, IAES, 2(3), 204-216. (DOI: 10.11591/closer.v2i3.2576, ISSN: 2089-3337.)
  37. Padhy, R. P., Patra, M. R. (2013). Managing IT Operations in a Cloud-driven Enterprise: Case Studies, *American Journal of Cloud Computing*, 1(1), 1-18, Article: 201300170. (Cited by 1.)
  38. Panigrahi, A., Patra, M. R. (2013). Performance Evaluation of Classifiers for Network Intrusion Detection. *International Journal of Computer Science and Knowledge*



- Engineering*, Serials Publications. 7(1), 27-39. (ISSN: 0973-6735, SCOPUS, Elsevier's Bibliographic Database.)
39. Panigrahi, T. P., Patra, M. R. (2013). A service oriented agent based model for inter-organizational supply chain management, *International Journal of Engineering Sciences and Emerging Technologies*, 6(2), 162-173. (ISSN 2231-6604. Global Impact Factor: 0.271.)
  40. Patra, M. R., Panigrahi, A. (2013). Application of Fuzzy Rough Nearest Neighbor Classifier in Network Intrusion Detection. IEEE Computer Society, India.
  41. Patra, M. R., Das, R. K. (2013). CeMSE: A cloud enabled model for smart education. *Proceedings of the International Conference on Electronic Governance. ICEGOV-2013*. (pp. 150-153). Seoul: ACM. (ISBN: 978-1-4503-2456-4.)
  42. Das, R. K., Patra, M. R. (2013). E-governance and digital inclusion: creating smart rural women in India. *Proceedings of the International Conference on Electronic Governance. ICEGOV-2013*. (pp. 144-149). Seoul: ACM. (ISBN: 978-1-4503-2456-4.)
  43. Patra, M. R., Panigrahi, A. (2013). Enhancing Performance of Intrusion Detection through Soft Computing Techniques. *Proceedings of the International Symposium on Computational and Business Intelligence*, New Delhi: IEEE. (pp. 44-48). (ISBN: 978-0-7695-5066-4. IEEE Computer Society Digital Library (CSDL).)
  44. Das, R. K., Patra, M. R. (2013). A Service Oriented Design Approach for E-Governance Systems, *International Journal of Information Technology Convergence and Services (IJITCS)*, 3(3), 1-11, (ISSN: 22311939, Cited by 3.)
  45. Reddy, H. K., Patra, M. R., Roy, D. S. (2012). An Adaptive Scheduling Mechanism for Computational Desktop Grid Using GridGain. *Procedia Technology, Elsevier*, 573-578. (Cited by 7.)
  46. Mohanty, R., Ravi, V., Patra, M. R. (2012). Classification of web services using Bayesian network. *Journal of software engineering and applications, Scientific Research*, 5, 291-296. (DOI: 10.4236/jsea.2012.54034, Google-based Impact Factor: 0.91, EBSCO Database. Cited by 9.)
  47. Padhy, R. P., Patra, M. R. (2012). An Enterprise Cloud Model for Optimizing IT Infrastructure. *International Journal of Cloud Computing and Services Science, IAES*, 1(3), 123-133. (DOI: 10.11591/closer.v1i3.777, ISSN: 2089-3337. Cited by 7.)
  48. Tripathy, A. K., Patra, M. R. (2012). Graph Based Service Selection for Composition and Adaptation. *International Journal of ACM Jordan, The Research Bulletin of Jordan ACM*, 2(2), 83-89.
  49. Panda, M., Abraham, A., Patra, M. R. (2012). Hybrid Intelligent Systems for detecting network intrusions. *Journal of Security and Communication Networks*, (DOI: 10.1002/sec.592. Cited by 1.)
  50. Tripathy, A. K., Patra, M. R., Pradhan, S. K. (2012). MSL Based Service Based e-Governance Systems Monitoring. *International Journal of ACM, Jordan*, 2(2), 90-101.
  51. Padhy, R.P., Patra, M.R., Satapathy, S.C. (2012). Design and Implementation of a Cloud based Rural Healthcare Information System Model. *UNIASCIT*, 2 (1), 149-157, (ISSN 2250-0987. Cited by 26.)
  52. Padhy, R. P., Patra, M. R., Satapathy, S. C. (2012). WINDOWS AZURE PasS Cloud: An overview. *International Journal of Computer Applications*. 1(2), 109-123, ISSN 2250-1797. (ISSN-2250-1797 IMPACT FACTOR: 3.12, H. INDEX = 4.9. Cited by 6.)
  53. Rama Rao, K. V. S. N., Patra, M. R. (2012). A Service Oriented Modeling and Analysis for Building Intrusion Detection Systems. *Proceedings of the 4th International Conference ObCom 2011*, (pp. 661-670). (ISBN: 978-3-642-29218-7.)

54. Reddy, H. K., Patra, M. R., Roy, D. S. (2012). A Hierarchical load balancing algorithm for efficient job scheduling in a computational grid testbed. *Proceedings of the International Conference on In Recent Advances in Information Technology (RAIT)*. (pp. 363-368). IEEE.
55. Reddy, H. K., Patra, M. R., Roy, D. S. (2012). Adaptive execution and performance tuning of parallel jobs in computational desktop grid using GridGain. *Proceedings of the 2nd IEEE International Conference on In Parallel Distributed and Grid Computing (PDGC)*. (pp. 199-204). IEEE, 978-1-4673-2925-5/12. (Cited by 1.)
56. Reddy, H. K., Patra, M. R., Roy, D. S. (2012). An adaptive scheduling mechanism for computational desktop grid using Grid-Gain. *Proceedings of the 2nd International Conference on Computer, Communication, Control and Information Technology (C3IT-2012)*. (pp. 573-578). Elsevier. (doi:10.1016/j.protcy.2012.05.091.)
57. Patra, M. R., Das. R. K., Padhy, R. P. (2012). CRHIS: cloud based rural healthcare information system. *Proceedings of the 6th International Conference on Theory and Practice of Electronic Governance (ICEGOV)*. (pp. 402-405) New York: ACM. (ISBN: 978-1-4503-1200-4. Cited by 2.)
58. Das, R. K., Patra, M. R. (2012). Quality assurance model for e-governance projects: A case study on e-counseling, *Proceedings of the 6th International Conference on Theory and Practice of Electronic Governance (ICEGOV)*. (pp. 502-503) New York: ACM. (ISBN: 978-1-4503-1200-4.)
59. Padhy, R. P., Patra, M. R., Satapathy, S. C. (2011). X-as-a-Service: Cloud Computing with Google App Engine, Amazon Web Services, Microsoft Azure and Force.com, *International Journal of Computer Science and Telecommunication*, 2, 8-16, (Cited by 3.)
60. Rama Rao, K. V.S. N., Patra, M. R. (2012). Service Oriented Modeling and Analysis for building Intrusion Detection Systems. *Proceedings of the International Conf. on Recent Trends in Computing, Communication and Information Technologies*, (pp. 661-670). Springer. (LNCS), CCIS 269, DOI: 10.1007/978-3-642-29219-4\_75, (ISBN: 978-3-642-29218-7.)
61. Padhy, R. P., Patra, M. R. (2012). Evolution of Cloud Computing and Enabling Technologies, *International Journal of Cloud Computing and Services Science (IJ-CLOSER)*, 1(4), 182-198, (Cited by 7.)
62. Padhy, R. P., Patra, M. R., Satapathy, S. C. (2012). Cloud Computing: Security Issues and Research Challenges, *International Journal of Computer Science and Information Technology & Security (IJCSITS)*, 1(2), 136-146, ISSN: 2249-9555 (Online), 2250-1355 (Print) (Impact Factor: 0.310, Cited by 48.)
63. Panda, M., Abraham, A., Patra, M. R. (2012). A Hybrid Intelligent Approach for Network Intrusion Detection, *International Conference on Communication Technology and System Design, Journal Procedia Engineering*, 30, 1-9, Elsevier, doi:10.1016/j.proeng.2012.01.827, (Cited by 43.)
64. Mohanty, R., Ravi, V., Patra, M. R. (2010). Application of fuzzy multi attribute decision making analysis to rank web services, *International Conference on Computer Information Systems and Industrial Management Applications (CISIM)*, 398-403, IEEE, (Cited by 2.)
65. Tripathy, A. K., Patra, M. R. (2011). Modeling and monitoring SLA for service based systems, *Proceedings of the 2011 International Conference on Intelligent Semantic Web-Services and Applications*, 10, ACM, (doi:10.1145/1980822.1980832, ACM Digital Library. Cited by 12.)
66. Tripathy, A. K., Patra, M. R. (2011). Automating WS-Agreement Monitoring. *International Journal of ACM*, II, 99-113.
67. Tripathy, A. K., Patra, M. R. (2011). Cost Effective, Requirement Oriented, Web Service Composition and Adaptation. *International Journal on Recent Trends in Engineering and Technology*, 5(1), 95-98. (ISSN:2158-5563, ACEEE Journal, Cited by 6.)



68. Panda, M., Abraham, A., Das, S., Patra, M. R. (2011). Network intrusion detection system: A machine learning approach. *Intelligent Decision Technologies*, 347-356, (DOI: 10.3233/IDT-2011-0117 ISSN: 1875-8843, 18724981, H Index 3, Scopus, SJR (2007-2014), Value: 0.18. Cited by 12.)
69. Tripathy, A. K., Patra, M. R. (2011). Service Based System Monitoring Framework. *International Journal of Computer Information Systems and Industrial Management Applications*, USA. 3, 924-931. (ISSN 2150-7988. Cited by 11.)
70. Rama Rao, K. V. S. N., Prudhvi, P., Patra, M. R. (2011). Process Orchestration for Intrusion Detection System based on SOA and Event Driven Architecture Principles. *International Journal of Computer Science & Emerging Technologies*. 110-124. E-(ISSN: 2044-6004.)
71. Panda, M., Patra, M. R. (2009). Data Mining Techniques for Network Intrusion Detection – A Survey. *ACCST Research Journal*. VII (1). (ISSN: 0972-7779.)
72. Panda, M., Patra, M. R. (2009). Detecting Network Intrusions- A Clustering Approach. *International Journal of Secure Digital Information Age*, 1 (2), 1-6. (ISSN: 0975-1823.)
73. Das, R. K., Patra, M. R. (2011). Citizen participation in rural e-governance: A case study in the Indian context, *Proceedings of the International Conference on Electronic Governance*. ICEGOV 2011. (pp. 325-328). Tallin, Estonia: ACM (DOI: 10.1145/2072069.2072129, ISBN: 978-1-4503-0746-8.)
74. Rama Rao, K. V. S. N., Patra, M. R. (2011). Implementation Approach of a SOA based Intrusion Detection System. *Proceedings of the World Congress on Information and Communication Technologies (WICT)*, (pp. 996-1001). (ISBN: 978-1-4673-0127-5.)
75. Tripathy, A.K., Patra, M.R. (2011). Modeling and monitoring SLA for service based systems. *Proceedings of the International conference on Intelligent Semantic Web-Services and Applications (ISWSA)* 10, (pp. 60-65). (DOI: 10.1145/1980822.1980832 ISBN: 978-1-4503-0474-0.)
76. Patra, M. R., Tripathy, A. K. (2011). Monitoring of service based e-governance systems. *Proceedings of the International Conference on Electronic Governance*. ICEGOV 2011. (pp. 353-354). Tallin, Estonia: ACM (DOI: 10.1145/2072069.2072129, ISBN: 978-1-4503-0746-8. Cited by 1.)
77. Padhy, R. P., Patra, M. R. (2011). RDBMS to NoSQL: Reviewing Some Next-Generation Non-Relational Databases, *International Journal of Advanced Engineering Science and Technologies (IJAEST)*, 11(1), 15-30, ISSN: 2319-1120 Google, DRJI, UIF, GIF, Engineering Science and Technology Digital Library, Society of Engineering science and Technology, SJIF Scientific Journal (Impact Factor 2.716, Cited by 65.)
78. Das, R. K., Patra, M. R. (2010). e-Grama: A tool for capacity building and bridging the digital divide in rural India. *International Journal Electronic Governance*. 3(4), 414-423. (DOI: 10.1504/IJEG.2010.038609 ISSN: 1742-7517. Scopus (Elsevier).)
79. Mohanty, R., Ravi, V., Patra, M. R. (2010). The application of intelligent and soft-computing techniques to software engineering problems: A Review. *International Journal of Information and Decision Sciences*, 2(3), 233-272, (DOI: 10.1504/IJIDS.2010.03345 ISSN: 1756-7025. Scopus ( Elsevier), DBLP Computer Science Bibliography. Cited by 15.)
80. Mohanty, R., Ravi, V., Patra, M. R. (2010). Web-services classification using intelligent techniques. *Expert Systems with Applications*. 37(7), 5484-5490, DOI: 10.1016/j.eswa.2010.02.063. Elsevier Journal, (SJR: 1.996, IF: 2.240, 5-Years Impact Factor: 2.571, Scopus, Science Citation Index. Cited by 43.)
81. Das, R. K., Patra, M. R. (2010). An e-governance project monitoring initiative in India: A case study of e-procurement. *Proceedings of the 4th International Conference on Electronic Governance*. ICEGOV-2010, (pp. 389-390). Beijing: ACM. ISBN: 978-1-4503-0058-2 (DOI: 10.1145/1930321.1930410.)
82. Tripathy, A. K., Patra, M. R. (2010). An event based, non-intrusive monitoring framework for web service based systems. *Proceedings of the International Conference on Computer*

- Information Systems and Industrial Management Applications (CISIM)*, (pp. 547-552). IEEE. (ISBN: 978-1-4244-7817-0. Cited by 13.)
83. Panda, M., Abraham, A., Patra, M. R. (2010). Discriminative multinomial Naïve Bayes for network intrusion detection, *Proceedings of the 6th International Conference on Information Assurance and Security (IAS)*. (pp. 05-10). (ISBN: 978-1-4244-7407-3. Cited by 15.)
  84. Das, R. K., Patra, M. R. (2010). Integrating WebGIS with service oriented rural information grid: experience sharing. *Proceedings of the 4th International Conference on Electronic Governance. ICEGOV-20104*. (pp. 161-166). Beijing: ACM. (DOI: 10.1145/1930321.1930355 ISBN: 978-1-4503-0058-2.)
  85. Panda, M., Patra, M. R. (2014). *Soft Computing: Concepts and Techniques*, India: University Science Press. (ISBN: 978-93-81159-66-8.)
  86. Panda, M., Dehuri, S., Patra, M.R. (2015). *Modern Approaches of Data Mining: Theory and Practice*. India: Narosa Publishing. (ISBN: 978-81-8487-442-6.)
  87. Panda, M., Patra, M. R. (2014). Characterizing intelligent intrusion detection and prevention systems using data mining, *In the book: Advance in secure computing, internet services and applications*, IGI Global, USA, 89-102. (ISBN 978-1-466-4940-8.)
  88. Panda, M., Patra, M. R. (2013). Building Recommender Systems for network intrusion detection using intrusion decision technologies, *In the book: Intelligent techniques in Recommendation systems*, IGI Global, USA, 49-62. (ISBN: 978-1-4666-2542-6.)
  89. Panda, M., Abraham, A., Dehuri, S., Patra, M. R. (2012). Performance Evaluation of Social Network using data mining techniques, *In the book: Computational Social network: Mining and Visualization*, London: Springer-Verlag. (DOI 10.1007/978-1-4471-4054-2-2.)
  90. Mohanty, R. Ravi, V., Patra, M. R. (2011). Application of Machine Learning Techniques to Predict Software Reliability, *In the book: Machine Learning: Concepts, Methodologies, Tools and Applications*, IGI Global, USA, 354-370. (ISBN: 978-1-60960-820-0. Cited by 4.)
  91. Panda, M., Patra, M. R. (2010). Mining Knowledge from Network Intrusion Data using Data Mining Techniques, *In the book: Knowledge Mining using Intelligent Agents*, Imperial College Press, London, 161-200. (ISBN: 978-1-84816-386-7.)

#### **Dr. S. K. Das**

1. Mishra, B. K., S. B. (13-14 Dec' 2010). Automated Knowledge engineering using rough set approach. ICM2CS, (pp. 14-17). New Delhi.
2. Mishra, B. K., S. K. (January 2011). Acquisition and Extraction of dynamic knowledge using D-Rough Set. *International Journal of Advanced Engineering and Applications*, 267-270. ISSN: 0975-7783(Print), 0975-7791(Online).
3. Mishra, B. K., Das, S. K. (10-11 March 2011). AI Techniques in Knowledge Management. *Proceedings of the 5th National Conference on Computing For Nation Development*. (ISSN: 978-93-80544-00-7, pp-413-416)
4. Mishra, B. K., Das, S. K. (7-8 Jan' 2011). Artificial Intelligence Techniques in Knowledge Management. *National Conference on Data Warehousing & Data Mining (MINEWARE-2011)*. LTIT Mumbai.
5. Mishra, B. K., Das, S. K. (25 April 2011). Knowledge Acquisition under Uncertainty through Rough Set. *Proceedings of 2nd International Joint Journal Conference on Engineering and Technology (IJJCET 11)*. [www.ijjcet.com](http://www.ijjcet.com).
6. Mishra, B. K., Das, S. K. (25-26 Feb 2011). On An Application of Rough Set. *National Conference on Advanced Mathematics and its Applications (CAMA-2011)*. Bathinda. (ISBN No. 978-81-920674-0-7, pp-243-247.)
7. Das, S. K. (19-20th June 2011). A Study on Highdimensional Clustering by Using Clique. *International Conference on Computer Science & Informatics (ICCSI-2011)*.
8. Mishra, B. K., Das, S. K. (19-20 Feb 2011). Application of Swarm Intelligence Algorithms to Web Mining. *National Conference on Data Mining (NCDM-2011)*. AIMS Pune.

9. Rao, N. S., Das, S. K. (June 2011). Herbal gardens of India: A Statistical analysis report. *African Journal of Biotechnology*, 5861-5868. ISSN: 1684-5315 © 2011 Academic Journal; <http://www.academicjournal.org/AJB>.
10. Rao, N. S., Das, S. K. (March 2011). Classification of Herbal Gardens In India Using Data Mining. *Journal of Theoretical and Applied Information Technology*, 71-78. (ISSN: 1992-8645.)
11. Tripathy, S. N., Das, S. K. (December 2009). Designing A Trust Model for an Ad Hoc Social Network using Communication Data Value. *International Journal of Computer Science & Management systems*, 85-89.
12. Tripathy, S. N., Das, S. K. (10-11 April 2015). A study on malware taxonomy and malware detection techniques. (pp. 266 – 273). (h5-index = 10)

#### **Dr. S. N. Tripathy**

1. Tripathy, S. N., Das, S. K. (10-11 April 2015). A study on malware taxonomy and malware detection techniques. (pp. 266 – 273). (h5-index = 10)
2. Tripathy, S. N., Rao, T. M.; “A Review on Vulnerability Management in Wireless Communication System”, *International Journal of Advanced Computer Research* (ISSN (print): 2249-7277), March 2013, pp. 71-75. (h5-index = 10)
3. Dhinda, D., Tripathy, S. N. & Sabat, N. K. A Survey on Vulnerability Management for Web Security, *International Journal of Advanced Computer Research* (ISSN (print): 2249-7277), March 2013, pp. 92-94. (h5-index = 10)
4. Tripathy, S. N., Das, S. K., Panda, J. Policy based Network Administration and Management”, *IJCSNS International Journal of Computer Science and Network Security*, VOL.9 No.10, November 2012, pp. 121-130. (h5-index = 21)
5. Das, S. K., Panda, J., Tripathy, S. N., Policy Driven Security Architecture for 4G Communication Systems, *International Journal of Computer Science & Management Systems Special Issue published at Proceedings of the National Conference on Emerging Trend & Its Application in Engineering (NCETAE 2011)*, IGIT, Saranga-759146, Odisha; 26-28, December 2011; pp. 68-73.
6. Tripathy, S. N., Tripathy, S. K., Das, S. K. Designing A Trust Model for an Ad Hoc Social Network using Communication Data Value, *International Journal of Computer Science & Management systems*, 1(2), December 2009, pp. 85-89.

#### **Bonomali Khuntia**

1. Kuntia, B, Patro, V. M., Patra, M.R. (2015). Quality Assessment of Web Services using Soft Computing Techniques. *Transactions on Networks and Communications*, UK, 3(1), 59-68, ISSN: 2054-7420. DBLP Computer Science Bibliography.

Department of Electronic Science

## BRIEF PROFILE OF THE DEPARTMENT OF ELECTRONIC SCIENCE

1. Name of the Department	: <b>Electronic Science</b>
2. Year of the Establishment	: <b>1991</b>
3. Courses/Programmes and Subject combinations offered	: <b>i. M.Sc(Electronic Science) ii. M.Tech(EIS) in Self Financing Mode iii. P.hD. &amp; D.Sc.</b>
4. Number of teaching posts Sanctioned, Filled	: <b>Sanctioned : 06 Filled: 04</b>
5. Number of Technical Staff present	: <b>03</b>
6. Number of Students ( Men / Women) Give Details Course Wise	: <b>M.Sc.- 14(M)+ 9(F) M.Tech(EIS) - 6(M) +9(F)</b>
7. Ratio of Teacher to Students	: <b>4:40 &amp; 0:13</b>
8. Ration of Teachers to Research Scholars	: <b>4:4(with fellowship),4:13(without fellowship)</b>
9. Number of Teachers Scholars who have obtained their master's degree from other institutions	: <b>01</b>
10. Number of Teachers in Academic Bodies of other Autonomous Colleges and Universities	: <b>01</b>
11. Latest revision of the curriculum ( year)	: <b>2015 (CBCS)</b>
12. Number of student passed in NET/ SLET etc. ( last 5 years)	: <b>NET- 5,JEST-1 GATE-1</b>
13. Success Rate of Students	: <b>100%</b>
14. Demand Ratio ( No. of applications)	: <b>20:70</b>
15. Awards and recognition received by faculty ( last 5years)	: <b>11</b>
16. Faculty who have attended National/ International Seminars ( last 5 years) (numbers only)	: <b>20</b>
17. Number of National Seminars Organized ( Last 5 years)	: <b>02 in association with outside institutes</b>
18. Number of Teachers engaged in consultancy and the revenue generated	: <b>Revenue is mostly generated through sponsored research projects</b>
19. Number of Ongoing projects and their total outlay	: <b>03, Rs.92,43,116/-</b>
20. Research project completed during last five years & their Outlay	: <b>01</b>
21. Number of inventions and patents	: <b>Nil</b>
22. Number of Ph. D theses guided during the last five years	: <b>9</b>
23. Publication by faculty (last five years)	: <b>65</b>
24. Average citation index (C.I.) and impact factor (I.F) of publication	: <b>2.177</b>
25. Number of Books in the Department library, if any	: <b>1548</b>
26. Number of Journals / Periodicals in the departmental library	: <b>4 volumes</b>
27. Number of Computers in the department	: <b>28 desktop + 3 Laptop</b>
28. Annual Budget ( Excluding Salary) In Rupees	: <b></b>
➤ Equipment	: <b>Rs. 20,000/-</b>
➤ Books and Journals	: <b>Rs. 2,16000/-</b>
➤ Other contingency	: <b>Rs. 48,000/-</b>
➤ Lab. Contingency	: <b>Rs. 1000/- for MCA</b>
➤ Field Study	: <b>Rs. 6,000/-</b>

### Evaluative Report of the Department Electronic Science

1. Name of the Department : **Electronic Science**
2. Year of establishment : 1991
3. Is the Department part of a School/Faculty of the university? Yes
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.): M.Sc., M. Tech., Ph.D., and D.Sc.
5. Interdisciplinary programmes and departments involved : M. Tech. (EIS) – Computer Science, Commerce, English
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : NA
7. Details of programmes discontinued, if any, with reasons : NA
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: CBCS System
9. Participation of the department in the courses offered by other departments :  
M. Sc. (Geophysics), M. Tech (Comp. Sci.)
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	01
Associate Professors	02	02	00
Asst. Professors	03	03	02
Others(Technical Supporting staff)	03	00	00

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
R. K. Mishra	Ph.D.	Professor	RF & Wireless Communication Systems	25	7
T. Sahu Up to (Former)	Ph.D.	Reader	Electronic Devices	20	3
S. K. Nayak	Ph.D.	Reader	Instrumentation & Signal Processing	25	2
D. C. Panda	Ph.D.	Reader & Head	Computational Electromagnetics	9.5	2
R. K. Panigrahy	Ph.D.	Lecturer	Microwaves & Antennas	04	-



12. List of senior Visiting Fellows, adjunct faculty, emeritus professors :
- Prof. Girish Kumar, IIT-Bombay, delivered a talk on “Cell Phone Hazards and Solutions” on 30-01-2014 at 3.00PM in the MBA seminar Hall.
  - Dr. V. N. Mani, Scientist-E, Centre for Materials for Electronics Technology, Hyderabad, delivered a talk on “20th Century Technological Achievements: Integration of Electronic Devices Domain with Photonic Device Domain” on 16-08-2013.
  - Prof. C. K. Sarkar delivered a talk on “Design of nano advanced MOSFETs” on 19-02-2015.
  - Prof. A. K. Mishra, Dept. of Mathematics, BU, delivered a talk on “Remembering Ramanujan” on 12-09-2013 at 2.30 PM.
  - Prof. G. S. Tripathy, Dept. of Physics, BU, delivered a talk on “Physics of Semiconductors” on 22-03-2014 at 2.30 PM

13. Percentage of classes taken by temporary faculty – programme-wise information:  
M.Sc.: 33%                      M.Tech: 50%

14. Programme-wise Student Teacher Ratio: M.Sc. - 11:1 (approx) M.Tech. – 8:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Position	Sanctioned	Filled	Actual
STA	1	1	1
Demonstrator	2	2	2
Office Assistant	1	1	1
Lab Attendant	2	1	1
Peon	1	1	1

16. Research thrust areas as recognized by major funding agencies:  
RF & Wireless Systems, Instrumentation

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Sl. No	Name of the Project and PI	Funding agency	Funds in INR
A	Studying effects of cloak surrounded antennas on SDR performance using neuro-space-mapping, Prof.(Dr.) R. K. Mishra	NRB (DRDO), Govt. of India	60,08,000
B	DEVELOPING BROADBAND ANTENNA SYSTEM FOR SDR, Prof.(Dr.) R. K. Mishra	CSIR, Govt. of India	4,67,833
C	Development of High Speed RCS Computation Scheme, Prof.(Dr.) D. C. Panda	DRDO, Govt. of India	27,67,283

18. Inter-institutional collaborative projects and associated grants received: Yet to take place.  
a) National collaboration                      b) International collaboration

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.  
Department yet to qualify for such funds due to shortage of required number of faculties.



20. Research facility / centre with:
  - a. State recognition :√
  - b. National recognition :√
  - c. International recognition :√
21. Special research laboratories sponsored by / created by industry or corporate bodies: Yet to be created.
22. Publications:
  - Number of papers published in peer reviewed journals (national/ international) : 28
  - Monographs: 00
  - Chapters in Books: 01
  - Edited Books: 00
  - Books with ISBN with details of publishers: 00
  - Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : 06
  - Citation Index – range / average
  - SNIP: 2.177
  - SJR: 1.698
  - Impact Factor – range / average
  - h-index: 14
23. Details of patents and income generated: Yet to be generated.
24. Areas of consultancy and income generated: Yet to be generated.
25. Faculty selected nationally / internationally to visit other laboratories / institutions
  - a. industries in India and abroad  
Prof. Rabindra K. Mishra is an IEEE AP-S Distinguished Speaker.
26. Faculty serving in
  - e) National committees: Prof. R. K. Mishra was:
    - (i) Chair of IAW 2012 and (ii) Chair of the IEEE AP/MTT Joint Chapter of Kolkata Section during 2012 & 2013.
  - f) International committees: Prof. R. K. Mishra was the General Chair of IEEE AEMC 2013.
  - g) Editorial Boards
  - h) Any other (please specify) Prof. R. K. Mishra is (i) a member of BoS in Electronics of Sambalpur University, (ii) Reviewer for IEEE Transactions on Antennas & Propagation, IEEE MWCL, IEEE AWPL, Wiley Interscience etc.
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).
  - Teachers from nearby affiliated college enrolled for Doctoral Degree under UGC Faculty Improvement Programme.
  - One faculty member attended refresher courses conducted by other Universities/ institutions.
  - Faculty members attend Workshops at other institutions.
  - One faculty member participated as resource persons in National level workshops.
28. Student projects
  - a. percentage of students who have done in-house projects including inter-departmental projects : 98%
  - b. percentage of students doing projects in collaboration with other universities / industry / institute : 02%

## 29. Awards / recognitions received at the national and international level by

- a. Faculty : Samanta Chandra Sekhar Award, Fellowship of IETE, IEEE AP-S Distinguished Speaker
- b. Doctoral / post doctoral fellows: 3 nos. of DST INSPIRE Fellows, Best Student Paper Award of Berhampur University
- c. Students: 4 Students qualified in IEEE Electromagnetic Olympiad.

## 30. Seminars/ Conferences/Workshops organized and the source of funding (National/International) with details of outstanding participants, if any.

These have not been organized by the Department during the period 2010-14. However, faculty members of the Department have chaired Conferences and workshops, in association with other professional bodies, described below.

Conferences/ Workshops	Funding agencies	Associated professional body	Outstanding participant
IAW 2012	IEEE, UGC	AP/MTT Chapter of IEEE Kolkata Section	Prof. Peter S. Hall Prof. Levent Gruel Dr. Steve Bird Prof. Ramesh Garg
AEMC 2013	IEEE, CSIR, DST, DRDO	AP/MTT Chapter of IEEE Kolkata Section	Prof. Raj Mitra Prof. Madhu S. Gupta Prof. Tapan K Sarkar Prof. Magdalena Salazar Palma Prof. M. Swaminathan Prof. Mats Gustafsson Prof. Satish K. Sharma Dr. J. Goswami

## 31. Code of ethics for research followed by the departments

- To treat fairly all persons and to not engage in acts of discrimination based on race, religion, gender, disability, age, national origin or gender identity;
- To avoid injuring others, their property, reputation, or employment by false or malicious action;
- To seek, accept, and offer honest criticism of scientific work, to acknowledge and rectify errors, and to credit properly the contributions of others;
- To accept responsibility in making decisions consistent with the safety, health, and welfare of the public, and to disclose promptly factors that might endanger the public or the environment;
- Not to engage in fabrication, falsification, or plagiarism in proposing, performing, or reviewing research, or in reporting research results.

## 32. Student profile programme-wise:

Name of the Programme	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. 2010	59	9	8	100%	100%
M.Sc. 2011	55	13	7	100%	100%
M.Sc. 2012	44	14	6	100%	100%
M.Sc. 2013	52	12	8	100%	100%
M.Sc. 2014	70	10	9	100%	100%
M.Sc. 2015	65	16	10	100%	100%
M. Tech. 2010	36	8	6	100%	100%
M. Tech. 2011	21	7	5	71.42%	100%
M. Tech. 2012	OJEE + 4	6	4	100%	100%
M. Tech. 2013	OJEE + 0	2	0	NA	NA
M. Tech. 2014	OJEE + 2	4	9	NA	NA
M. Tech. 2015	OJEE + 2	4	7	NA	NA

## 33. Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. 2010	54	46	0	0
M.Sc. 2011	53	47	0	0
M.Sc. 2012	55	45	0	0
M.Sc. 2013	56	44	0	0
M.Sc. 2014	52	48	0	0
M.Sc. 2015	65	35	0	0
M. Tech. 2010	7	93	0	0
M. Tech. 2011	17	83	0	0
M. Tech. 2012	40	50	10	0
M. Tech. 2013	50	0	50	0
M. Tech. 2014	38.5	61.5	0	0
M. Tech. 2015	45	55	0	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

UGC Net(AP):- Arjuna Muduli, Narayan Sahoo, Nihar Kanta Sahoo, Lutu Sahoo, Tapan Kumar Behera, Deepak Kumar Nayak(Last five years)

JEST:-Dhananjay Panda (2014)

GATE:-Swetasini Sarita (2012)

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	NA
PG to Ph.D.	14.0
Ph.D. to Post-Doctoral	NA
Employed	
• Campus selection	Nil
• Other than campus recruitment	55.6
Entrepreneurs	22.4

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	75%
from other universities within the State	25%
from universities from other States	Nil
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

- Library: 1548
- Internet facilities for staff and students : Yes(Currently its dysfunctional due to Cyclonic Storm Philin)
- Total number of class rooms : 03
- Class rooms with ICT facility : ICT facilities are being used in the class room
- Students' laboratories : 04
- Research laboratories: 01

39. List of doctoral, post-doctoral students and Research Associates

- from the host institution/university:
  - Arjuna Muduli
  - Narayan Sahoo
  - Ranjan Kumar Swain
- from other institutions/universities :
  - Kumar Satyabrata Sahu

40. Number of post graduate students getting financial assistance from the university. : Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)?  
If so, highlight the methodology. No.

42. Does the department obtain feedback from
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes. It helps in curriculum revisions.
  - Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes. It helps in understanding the needs of students and adjustments as per such needs.
  - Alumni and employers on the programmes offered and how does the department utilize the feedback? Yes. These are taken as suggestions and to the extent possible within the statutory provision; the Department tries to take steps for their implementation.
43. List the distinguished alumni of the department (maximum 10)  
Amalendu Patnaik, IIT – Roorkee; Gopal Ch. Patra, NAL – Bangalore; Girish Kumar Sahu, TIFR – Mumbai; Samrat Lagnajit Sabat, Central University –Hyderabad; Suchitav Khadenga, Entrepreneur – Bangalore; Somanath Tripathy, IIT - Patna; Himansu Mohan Padhy, Entrepreneur – Bhubaneswar; Sakuntala Mohapatra, Trident Technology, Bhubaneswar.
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.  
The Department has made arrangements with NIST, based on which the students attend special lectures & workshops organized at TIFAC center of NIST involving external experts.
45. List the teaching methods adopted by the faculty for different programmes.
- Black Board Lecturing: Traditional black board teaching.
  - PPT & Multimedia Lecturing: Use of ICT facility in lectures.
  - Interactive Lecturing - Student Seminar  
Students are asked to give seminars on selected portions from prescribed Syllabus, followed by a class discussion.
  - Participatory Learning  
Students are asked to frame questions, which are collected and randomly distributed among them for answering. Each question setter is asked to evaluate the answer to his/her questions. It is followed by a discussion.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?  
To meet the program objectives, the teacher council follows a process of Curriculum Review and Revision process, systematic collection, review, and use of information for the purpose of continually improving student learning and overall program effectiveness. Several methods of student feedback are adopted for monitoring learning outcomes. After about 6-8 classes, a survey is done to find out the pace of teaching & changes needed in the method of teaching etc. Also, a student representative communicates student concerns and feedback anonymously to teachers, which are addressed by them, from time to time. These measures are besides to other feedbacks. Besides, mid-sem tests, quizzes, assignments, home work & seminars are also integral part of such monitoring.
47. Highlight the participation of students and faculty in extension activities.  
Faculty: NSS Program Officer.  
Students: Participate in NSS Programs like Swachha Bharata Aviyon, Blood Donation etc.
48. Give details of “beyond syllabus scholarly activities” of the department.
- Seminar presentation is mandatory for each student.
  - UGC-NET preparation classes are conducted by the Department.
  - Students participated in Electromagnetic Olympiad organized by the IEEE Kolkata Section’s AP/MTT Joint Chapter.
  - Students actively participate in national seminars, Workshops, technical meets.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. No.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Two new techniques, termed as ‘Neurospectral Technique’ and ‘NFDTD Technique’ for improving computing speed in computational electromagnetic.
- Design & optimization of Fractal Antennas.
- Innovative EM LHM atoms and Systems based on these.
- EM cloaking.

51. Detail five major Strength, Weakness, Opportunities and Challenges (SWOC) of the department.

**Strength**

- R & D capability with more than one crore in total research funding.
- Rich Departmental library.
- Well qualified faculty with high standing & good exposure.
- Strong & well placed alumni.
- Student discipline and mentoring.

**Weakness**

- Shortage of real estate, lab space.
- Shortage of Secretarial & Technical Staffs
- Vacant teaching posts for more than 20 years.
- Non availability of Digital Library & State-of-Art equipments.
- Non-existing tie ups with industry.

**Opportunities**

- MoUs with R&D institutions, laboratories and other sister organizations.
- Autonomy for the Department (financial, administrative and curricular).
- Installing smart class rooms.
- Establishing one Laboratory of National Level, this may become a centre of excellence.
- Collaboration with & funding from overseas institutes in developed countries.

**Challenges**

- Tie ups with industries.
- Competing with other intuitions.
- Controlling academic dishonesty & plagiarism.
- Filling up of vacant faculty and non-teaching positions.
- Offering new courses at Certificate, diploma, Degree, & integrated Degree levels.

52. Future plans of the department.

- Modernization of Laboratories and Class Rooms
- Introduction of Ph.D. (Tech.)

**RESEARCH PUBLICATIONS (2010-2015)**  
**DEPARTMENT OF ELECTRONIC SCIENCE****Professor R. K. Mishra**

1. Soren, D., Ghatak, R., Mishra, R. K., and Poddar, D. R. (2014). Dielectric Resonator Antennas: Designs and Advances, *PIERS*, 60, 195-213. SNIP: NA, SJR: 0.854, Impact Factor: 1.229, Hirsh Index: 45.
2. Mishra, A. K.; Mishra, R. K. (2013) Subordination and inclusion theorems for subclasses of meromorphic functions with applications to electromagnetic cloaking, *Mathematical and Computer Modelling (Elsevier)*, USA, 57(3), 945-962. SNIP: 1.770, SJR: 1.152, Impact Factor: 2.02, Hirsh Index: 02.
3. Soren, D., Ghatak, R., Mishra, R. K., and Poddar, D. R. (2013). A broadband Sierpinski Gasket-shaped Triangular Dielectric Resonator Antenna for X-band. *International Journal of Signal and Imaging Systems Engineering (IJSISE)*. 6(1), 31-37. SNIP: 0.641, SJR: 0.184.
4. Mishra, D.; Poddar, D. R.; Mishra, R. K. (2013). Deformed  $\Omega$  for realisation of LH characteristics. *Int. J. of Signal and Imaging Systems Engineering*, 6(1), 59 – 64. SNIP: 0.641, SJR: 0.184.
5. Ghatak, R., Soren, D., Mishra, R. K., and Poddar, D. R. (2012). Investigations on Modified Rectangular Fractal Curve Shaped Dielectric Resonator Antenna. *Journal of RF and Microwave Computer-Aided Engineering*. 22(3), 394-401. SNIP: 0.587, SJR: 0.417, Impact Factor: 0.538.
6. Ghatak, R., Goswami, C., Mishra, R. K., and Poddar, D. R. (2012). A CPW fed Planar Monopole Antenna with modified H shaped slot for WLAN/Wi-Max Application. *Microwave and Optical Technology Letters*. 54(05), 126-130. SNIP: 0.597, SJR: 0.455, Impact Factor: 0.585.
7. Mishra, R. K., Kumar, G. A., Mishra, D., and Poddar, D. R. (2012). Design of Lange Coupler for MIC & MMIC technology using Complementary Deformed Omega Structure. *Journal of RF and Microwave Computer-Aided Engineering*. 22(1), 85-92. SNIP: 0.587, SJR: 0.417, Impact Factor: 0.538.
8. Soren, D., Ghatak, R., Mishra, R. K., and Poddar, D. R. (2012). Wideband Sierpinski Carpet Fractal Shaped Cylindrical Dielectric Resonator Antenna for X-Band Application. *Journal of Electromagnetic Analysis and Applications*. 4(1). 9-14. Impact Factor: 0.56.
9. Ghatak, R., Sarkar, P., Mishra, R. K., and Poddar, D. R. (2011). A Substrate Integrated Waveguide Based UWB Bandpass Filter for 22 to 29 GHz Vehicular Radar System. *International Journal of Microwave and Optical Technology*. 6(6), 353 – 357. SNIP: 0.616, SJR: 0.515, Impact Factor: 0.618.
10. Ghatak, R., Sarkar, P., Mishra, R. K., and Poddar, D. R. (2011). A Compact UWB Bandpass Filter With Embedded SIR as Band Notch Structure. *IEEE Microwave and Wireless Component Letters*. 21(5), 261 – 263. SNIP: 1.831, SJR: 2.126, Impact Factor: 1.717.
11. Kumar, G. A., Mishra, D., Poddar, D. R., and Mishra, R. K. (2011). Realization of band-stop filter using deformed omega structure loaded microstrip line. *Microwave and Optical Technology Letters*. 53(8), 1847 – 1850, SNIP: 0.616, SJR: 0.515, Impact Factor: 0.618.
12. Mishra, R.K.; Sahu, A. (2011, APCAP). Neuro-Cavity Model for rectangular patch antenna. 2012 IEEE Asia-Pacific Conference on Antennas and Propagation (APCAP). <http://dx.doi.org/10.1109/APCAP.2012.6333178>
13. Mishra, R.K.; Panigrahy, R.K. (2011, IAW). Transmission line model for planar antenna on DPS - DNG-DPS Substrate. Paper presented at IEEE IAW 2011. SNIP: 0.032, SJR: 0.049. <http://dx.doi.org/10.1109/IndianAW.2011.6264944>.
14. Patra, P.K.; Raj, S.J.; Pattnaik, S.S.; Mishra, R.K. (2011, IAW). Theory and simulation of split ring slotted square patch antenna. Paper presented at IEEE IAW 2011. SNIP: 0.032, SJR: 0.049.
15. Abhishek Sahu; Asit Panda; Rabindra K. Mishra. (2011, AEMC). Simulating a cubic cloak using CST. Paper presented at IEEE AEMC. SNIP: 0.032, SJR: 0.0492011. <http://dx.doi.org/10.1109/AEMC.2011.6256867>



16. Mishra, R.K. (2011, AEMC). Dispersion relation in 1-D LHM-EBG crystal. Paper presented at IEEE AEMC 2011. SNIP: 0.032, SJR: 0.049. <http://dx.doi.org/10.1109/AEMC.2011.6256869>
17. Suryanarayana, R.; Sekhar, U.C.; Mohanty, A.; Panda, A.K.; Mishra, R.K. (2011, CSNT). A CPW Fed Complementing C-Shaped Patch Antenna for Broadband Communication. 2011 International Conference on Communication Systems and Network Technologies (CSNT). <http://dx.doi.org/10.1109/CSNT.2011.53>
18. Karmakar, A.; Ghatak, R.; Mandal, S.K.; Mishra, R.K.; Poddar, D.R. (2011, iWAT). A modified sierpinski pattern thinned planar array of rectangular microstrip antenna with reduced SLL. 2011 International Workshop on Antenna Technology (iWAT). <http://dx.doi.org/10.1109/IWAT.2011.5752372>
19. Panda, A.K.; Suryanarayana, R.; Sahoo, A.; Nayak, J.; Mishra, R.K. (2011, CSNT). A Printed Monopole Antenna with Symmetric Meandered Arms for WLAN, WiMAX Applications. 2011 International Conference on Communication Systems and Network Technologies (CSNT). <http://dx.doi.org/10.1109/CSNT.2011.55>.
20. Panigrahi, R.K.; Pattnaik, S.; Mahallick, N.G.P.C.; Mishra, R.K. (2011, PACC). ANN Model for Slabs in Reheating Furnace. 2011 International Conference on Process Automation, Control and Computing (PACC). <http://dx.doi.org/10.1109/PACC.2011.5978875>.
21. Panda, D. C., Pattnaik, S. S., Devi, S., and Mishra, R. K.(2010). Application of FIR -neural network on finite difference time domain technique to calculate input impedance of microstrip patch antenna. International Journal of RF and Microwave Computer-Aided Engineering. 20(2), 158-162. SNIP: 0.461, SJR: 0.315, Impact Factor: 0.475.
22. Mishra, R. K. And Mishra, D.(2010). Engineered Material in Applied Electromagnetics. International Journal of Material Sciences. 5(5), 615-637. SNIP: 0.461, SJR: 0.315, Impact Factor: 0.475.
23. Mishra, R. K. (2010). Chapter 4: Optimization Techniques for Planar Antennas. In Debatosh Guha and Yahia Antar (Ed.) Microstrip and Printed Antennas: New Trends, Techniques and Applications. Wiley. (ISBN: 978-0-470-68192-3).
24. Mishra, R.K.; Dash, S.K.; Patra, P.K.; Pattnaik, S.S. (2010, May). A three element planar antenna array in Golden Ratio with 2 1 1 corporate feeding. Paper presented at IEEE IAW 2010. <http://dx.doi.org/10.1109/AAT.2010.5545941>
25. Sahu, S.; Mishra, R.K.; Poddar, D.R. (2010, May). Multi- band patch antenna on conjugate-omega slotted ground. Paper presented at IEEE IAW 2010. <http://dx.doi.org/10.1109/AAT.2010.5545941>.
26. Ranganadham, D.; Baghel, V.; Poddar, D.R.; Mishra, R.K. (2010, March). Development and Performance Evaluation of an Efficient Multimedia Communication Scheme Using DWT and Adaptive Channel Equalization. 2010 International Paper presented at Conference on Advances in Computer Engineering (ACE). <http://dx.doi.org/10.1109/ACE.2010.52>.
27. Sarkar, D.; Sahu, S.; Ghatak, R.; Mishra, R.K.; Poddar, D.R. (2010). FDTD analysis of coupled microstrip lines separated by a DNG slab. Paper presented at 2010 Loughborough Antennas and Propagation Conference (LAPC). <http://dx.doi.org/10.1109/LAPC.2010.5666288>

### **Professor T. Sahu (Up to March 2012)**

1. Subudhi, P.K., Palo, S., Sahu, T.(2012). Effect of strain on multisubband electron mobility in GaAs/ $\text{In}_x\text{Ga}_{1-x}\text{As}$  coupled quantum well structures. Superlattices and Microstructures, 51, 430-442.
2. Subudhi, P.K., Palo, S., Sahu, T.(2012). Multisubband electron transport in GaAs/InGaAs strained coupled quantum well structures. AIP Conference Proceedings, 1461, 251.
3. Sahu, T., Palo, S., Tripathy, T. C., and Nayak, P. K.(2012). Electric field induced enhancement of low temperature electron mobility in coupled InGaAs/InAlAs double quantum well structures. AIP Conference Proceedings, 1461, 255.
4. Sahu, T. and Shore. K.A.(2010). Effect of electric field on low temperature multisubband electron mobility in a coupled  $\text{Ga}_{0.5}\text{In}_{0.5}\text{P}/\text{GaAs}$  quantum well structure. Journal of Applied Physics, 107, 113708.

**Dr. S. Nayak**

1. Nayak, S. K., et al. (2015) Induction Motor Control Using PSO-ANFIS. ICC-2015, Procedia Computer Science. 754 – 769.
2. Nayak, S. K., et al. (2014). Performance and Analysis of Median Filtering Approaches of Image Denoising in the presence of Impulse Noise. European Scientific Journal, 10(15), 537-544.
3. Nayak, S. K., et al. (2014). Performance Analysis of Block PSO for image de-noising using wavelet transforms. ISOR Journal of Electronics and communication engineering, 6(11), 32-37.
4. Nayak, S. K., et al. (2014). Series expansions for non-linear SISO system identification using RLS algorithm. Proc. Int. Conf. in CNC-2014.
5. Nayak, S. K., et al. (2013). Spectral analysis of shadow window FIR filters. IC on advances in CNC-2013, 22-23 Feb, Chennai.
6. Nayak, S. K., et al. (2013). Generalization of Windows using DFrFt. International Conf. on Innovation in Engg. and Technol. Dec.25-26,2013. Bankok.
7. Nayak, S. K., et al. (2012). Novel Differentiator & Integrator. International conf. on ameliorations in Communication and power engg. Godavari Institute of engg & Techn. 2nd-3rd March, 2012.
8. Nayak, S. K., et al. (2012). Design of tunable integrator and differentiator using FrFt. Intrn. Conf. on Commn. & Sig. Proc. 2-4 April, 2012 pp.88-90.
9. Nayak, S. K., et al. (2012). Embedded system based monitoring energy distributions and finding out losses at different distribution points. NSI-37, oct30-Nov1, p;72.
10. Nayak, S. K., et al. (2011). NNGD Algorithms for active noise cancellations using non-linear filters. J. of Comput. & Math. Sci, 2(2), 198-207.
11. Nayak, S. K., et al. (2011). Implementation of 2D-FrFt from 1d FrFt to an image. IJERIA, 4(2), 15-24.
12. Nayak, S. K., et al. (2011). Wavelet Transform EDNSS LMS Adaptive Filtering for Echo & Noise Cancellation in Speech Signals. IJECE, 4(3), 305-319.
13. Nayak, S. K., et al. (2010). Frequency Invariant beam patterns using fr. Fourier Pattern. IJMRAE, 2(2), 123-134.
14. Nayak, S. K., et al. (2010). Wavelets transform domain EDNSSLMS adaptive filtering for noise cancellation from speech signals. IEEE Conference in Signal Processing & VLSI, held at Gurunanak Engg. College Hyderabad, Conference Proceeding pp. 24.
15. Nayak, S. K., et al. (2010). Time delayed signals SNR by using FrFT low pass filter. IEEE Conference in Signal Processing & VLSI, held at Gurunanak engg. College Hyderabad, Conference Proceeding- pp. 29.
16. Nayak, S. K., et al. (2010). Image Restoration using real valued Fully Adaptive NLMS", RSPS-2010, IEEE 2nd International Conference Proceeding, pp.456-462, 2010 Held at K.L.University, Vijaywada.
17. Nayak, S. K., et al. (2010). Adaptive nonlinear Normalised Least Square Based Echo Cancellor. NCAES-2010, Conference Proceeding, pp.48-51.
18. Nayak, S. K., et al. (2010). Fractional Fourier Transform Based Window Function", RSPS-2010, Conference Proceeding pp.205-210.
19. Nayak, S. K., et al. (2010). Implementation of different FIR high pass filters Using fractional Keiser Windows. IEEE International Conference, ICSPS-2010, July, 2010 at China.

**Dr. D. C. Panda**

1. Mohanty, S., Mishra, A. K., and Panda, D. C. (2015). IGoS-A novel framework for analysis of and facilitating government schemes. IEEE 2nd International Conference on Recent Trends in Information Systems (ReTIS). doi:10.1109/ReTIS.2015.7232893.

2. Patnaik, P. K., Panda, D. C., & Pantina, S. K. (2014). Digital combinational circuit optimization using invasive weed optimization technique. *Lat. Am. J. Phys. Educ.* 8(3), 548.
3. Divakar, T & Panda, D. C. (2014). Dual-Band Annular-Ring Microstrip Patch Antenna for Satellite Applications. *Am. J. of Eng. Research*, vol.3 (8), pp-187-190.
4. Divakar, T & Panda, D. C. (2014). Finding Optimal Feed Location of a Microstrip Patch Antenna using HFSS, *Int. J. of Innovative Research In Electrical, Electronics, Instrumentation And Control Eng*, 2(10), 2143.  
<http://dx.doi.org/10.17148/IJIREEICE.2014.21105>.
5. Divakar, T.V.S.; Panda, D.C. (2014). Resonant frequency calculation of circular ring microstrip patch antenna using knowledge based neural network. *International Conference on Electronics and Communication Systems (ICECS)*. Doi:10.1109/ECS.2014.6892539.
6. Panda, D.C.; Patnaik, P.K. (Dec. 2013). CAD modelling of complex resonant frequencies of a rectangular microstrip patch with a superstrate using complex backpropagation algorithm. In *IEEE Applied Electromagnetics Conference (AEMC)*. Doi:10.1109/AEMC.2013.7045045.
7. Panda, D.C., (2013, December), Teaching electromagnetic theory with spiral curriculum approach to undergraduates. In *IEEE Applied Electromagnetics Conference (AEMC)*.  
<http://dx.doi.org/10.1109/AEMC.2013.7045059>
8. Divakar, T., & Panda, D. C. (2013, December). Gain and bandwidth enhancement of a circular microstrip patch antenna with an air dielectric between two substrates. *IEEE In Applied Electromagnetics Conference (AEMC)*. <http://dx.doi.org/10.1109/AEMC.2013.7045098>
9. Patnaik, P.K.; Panda, D.C., (2013, December), Fast extraction of L & C parameters of MEMS Transmission Line using Neural Network. In *IEEE Applied Electromagnetics Conference (AEMC)*. <http://dx.doi.org/10.1109/AEMC.2013.7045082>
10. Sethi, N., Das, S. K., Panda, D. C.(2012). Probabilistic Interpretation of Complex Fuzzy Set. *Int. J. of Computer Sc. Eng. and Info. Tech.* 2(2), 31-44.
11. Das, S. K., Panda, D. C., Sethi, N. & Gantayat, S. S. (2011). Inductive Learning of Complex Fuzzy Relation. *Int. J. of Computer Sc., Eng. and Info. Tech.* 1(5), 29-38.
12. Panda, D. C.; Kumar, E.K., (2011), Embedded KBNN and its application to square ring microstrip patch antenna. In *IEEE Applied Electromagnetics Conference (AEMC)*. <http://dx.doi.org/10.1109/AEMC.2011.6256818>
13. Panda, D. C., Pattnaik, S. S., Devi, S. & Mishra, R. K. (2010). Application of FIR -neural network on finite difference time domain technique to calculate input impedance of microstrip patch antenna. *Int J RF and Microwave Comp Aid Eng*, 20(2), 158-162.  
<http://dx.doi.org/10.1002/mmce.20417>

### **Dr. R. K. Panigrahy**

1. Panigrahy, R. K. (2013) Transmission line Model for Patch Antenna on Metamaterial Substrate. *IOSR Journal of Electrical and Electronics Engineering*. 7(3), 20-23. Impact factor: 1.419.
2. Mishra, R.K.; Panigrahy, R.K. (2011, IAW). Transmission line model for planar antenna on DPS - DNG-DPS Substrate. Paper presented at IEEE IAW 2011. SNIP: 0.032, SJR: 0.049  
<http://dx.doi.org/10.1109/IndianAW.2011.6264944>.

Department of Home Science

### BRIEF PROFILE OF THE DEPARTMENT HOME SCIENCE

1	Name of the Department	: <b>Home Science</b>
2	Year of the Establishment	: <b>1983</b>
3	Courses/Programmes and Subject combinations offered	: <b>M.A/M.SC/M. Phil/Ph. D</b>
4	Number of teaching posts Sanctioned Filled	➤ <b>Sanctioned: 5</b> ➤ <b>Filled: 4</b>
5	Number of Technical Staff present	:
6	Number of Students ( Men / Women) Give Details Course Wise	➤ <b>P.G:- M F 24      Total 24</b> ➤ <b>M. Phil:-12</b>
7	Ratio of Teacher to Students	: <b>6:4</b>
8	Ratio of Teachers to Research Scholars	: <b>3:4</b>
9	Number of Teachers Scholars who have obtained their master's degree from other institutions	: <b>04</b>
10	Number of Teachers in Academic Bodies of other Autonomous Colleges and Universities	: <b>01</b>
11	Latest revision of the curriculum ( year)	: <b>2015</b>
12	Number of student passed in NET/ SLET etc. ( last 5 years)	: <b>12</b>
13	Success Rate of Students	: <b>100%</b>
14	Demand Ratio ( No. of application)	: <b>24:40</b>
15	Awards and recognition received by faculty ( last 5years)	: <b>22</b>
16	Faculty who have attended National/ International Seminars ( last 5 years) (numbers only)	➤ <b>National:30</b> ➤ <b>International:07</b>
17	Number of National Seminars Organized( Last 5 years)	: <b>01</b>
18	Number of Teachers engaged in consultancy and the revenue generated	: <b>Nil</b>
19	Number of Ongoing projects and their total outlay	: <b>Nil</b>
20	Research project completed during last five years & their Outlay	: <b>Nil</b>
21	Number of inventions and patents	: <b>Nil</b>
22	Number of Ph. D theses guided during the last five years	: <b>17</b>
23	Publication by faculty ( last five years)	: <b>23</b>
24	Average citation index and impact factor of publication	: <b>Average</b>
25	Number of Books in the Department library, if any	: <b>514</b>
26	Number of Journals / Periodicals in the departmental library	: <b>Some back volume journals are available.</b>
27	Number of Computers in the department	: <b>06</b>
28	Annual Budget ( Excluding Salary) In Rupees	:
	➤ Equipment	: <b>27792.00</b>
	➤ Books and Journals	: <b>Rs.2,16000/-</b>
	➤ Other contingency	: <b>1000/-</b>
	➤ Lab. Contingency	: <b>Nil</b>

### Evaluative Report of the Department Home Science

1. Name of the Department : **Home Science**
2. Year of establishment : **1984**
3. Is the Department part of a School/Faculty of the university? **Faculty of Science & Technology**
4. Names of programmes offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., D. Sc., D. Litt., etc.):
  - **P.G.; M. Phil.; Ph.D.**
5. Interdisciplinary programmes and departments involved: **No**
6. Courses in collaboration with other universities, industries, foreign institutions, etc.: **NA**
7. Details of programmes discontinued, if any, with reasons :**NA**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: **Semester Pattern till 2015. Choice Based Credit System from 2015- 2016 onwards.**
9. Participation of the department in the courses offered by other departments: **NA**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor			Four Professors under CAS
Associate Professors	2	1	-
Asst. Professors	3	3	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualifications	Designation	Specialization	No. of Years of Experience	No. Of Ph.D./M.Phil. students guided for the last 5 Years
Prof. Aparajita Chowdhury	M.Sc., Ph.D	Professor	Human Development & Family Studies	34	M.Phil - 05 Ph. D: Awarded- 02 Working - 04
Prof. Arundhati Rath	M.Sc., Ph.D	Professor	Human Development & Family Studies	30	M.Phil - 05 Ph. D: Awarded-03 Working - 01
Prof. Pushpanjali Samanataray	M.Sc., Ph.D	Professor	Family Resource Management & Nutrition Dietetics	25	M.Phil - 05 Ph. D: Awarded - 04 Submitted - 03 Working -05

Prof. Anjali Patnaik	M.A., Ph.D, D.Litt	Professor	Extension Education	30	M.Phil – 02 Ph. D: Working - 02
Dr. Ratna Sahu	M.A., Ph.D	Reader	Marriage & Family Studies	36	M.Phil – 05 Ph.D: Awarded- 03 Working – 01

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil
13. Percentage of classes taken by temporary faculty – program-wise information -NA
14. Program-wise Student Teacher Ratio: 10:1
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: Sanctioned – 1, Filled - 1

Post	Sanctioned	Existing	Vacancy
Demonstrator	01	01	Nil
Store Keeper	00	00	Nil
Office Assistant	01	01	Nil
Lab Attendant	01	00	01
Peon	01	01	Nil

16. Research thrust areas as recognized by major funding agencies -
- **Family Studies.**
  - **Human Development.**
  - **Rural & Tribal Development**
  - **Women's Issues.**
  - **Health & Nutrition**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise - Nil
18. Inter-institutional collaborative projects and associated grants received  
a) National collaboration: Nil      b) International collaboration: Nil
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil
20. Research facility / centre with  
a. State recognition : √  
b. National recognition : √  
c. International recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil
22. Publications:
- Number of papers published in peer reviewed journals (national / international) - **20**
  - Monographs – Nil
  - Chapters in Books - 01
  - Edited Books – Nil
  - Books with ISBN with details of publishers –**02 (Two) ISSN 978-3-659-35428-1**
  - Number listed in International Database (For e.g. Web of Science, Scopus,



- Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - Citation Index – range / average
  - SNIP
  - SJR
  - Impact Factor – range / average
  - hi-index
23. Details of patents and income generated - Nil
24. Areas of consultancy and income generated - Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad – Nil
26. Faculty serving in
- a) National committees:
    - **Prof. Aparajita Chowdhury** - UGC-NAAC Peer team member, Union Public Service Commission, Subject Expert of Odisha Public Service Commission. Part of Maternal, Child Health and Nutrition Research Priority in India: An ICMR- INCLIN-CHNRI initiative; USEFI Kolkatta.
  - b) International committees:
    - **Prof. Aparajita Chowdhury** - “International Parenting Study” – Part of Research Group from India – Family Research Laboratory University of New Hampshire, Durham, NH 03824, USA (Started in 2010).
  - c) Editorial Boards:
  - d) Any other (please specify):
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).
28. Student projects
- a. Percentage of students who have done in-house projects including inter-departmental projects: Hundred percent PG students are doing the project work during master’s level.
  - b. Percentage of students doing projects in collaboration with other universities/ Industry / institute – 20%
29. Awards / recognitions received at the national and international level by
- a. Faculty :
  - b. Doctoral / post-doctoral fellows: Doctoral Fellow – Rajiv Gandhi National Fellow – 07 in the Department during the mentioned period.
30. Seminars/ Conferences/Workshops organized and the source of funding (national
- i. International) with details of outstanding participants, if any.
    - Workshop on Youth Development in Contemporary India on 31<sup>st</sup> December 2010 – University funding.
    - UGC sponsored National Seminar on –“Maternal and Child Health- A Challenge of the Millennium Development Goals, 2011 – UGC funding.

31. Code of ethics for research followed by the departments: As per the guidelines suggested by UGC
32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2010 – P. G	20		14		08
M.Phil	10		06		05
2011 – P. G	34		12		07
M.Phil	12		11		07
2012 – P.G	19		11		12
M.Phil	04		01		01
2013 – P.G	31		20		09
M.Phil	05		04		02
2014 – P.G	27		16		07
M.Phil	10		07		
2015 - M. Phil	08		06		Result awaited

33. Diversity of Students

Name of the Programme	% of Students from the Same University	% of students from other universities within the State	% of students From universities outside the State	% of students from other countries
2010 – PG	84	16	Nil	Nil
M.Phil	10	00		
2011 – PG	76	24	Nil	Nil
M.Phil	80	20		
2012 – PG	81	11	Nil	Nil
M.Phil	100	00		
2013 – PG	90	10	Nil	Nil
M.Phil	75	25		
2014 – PG	69	31	Nil	Nil
M.Phil	66	34		
2015 – M.Phil	10	90	Nil	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.  
NET – (Cleared -4)
35. Student progression:

Student progression	Percentage against enrolled
UG to PG	Not applicable
PG to M.Phil.	2010 – 03 2011 – 04 2012 – 01 2013 - 04 2014 - 04
PG to Ph.D.	2010 -02 2011 – 01

Ph.D. to Post-Doctoral	NIL
Employed	Not in Practice
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurs	

### 36. Diversity of staff

Percentage of faculty who are graduates	
Of the Same University	Nil
From other Universities within the State	25%
From Universities from other States from	75%
From universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period – One Ph. D– 2013.

38. Present details of departmental infrastructural facilities with regard to

- a) Library = 514
- b) Internet facilities for staff and students – Available
- c) Total number of class rooms - 03
- d) Class rooms with ICT facility - Nil
- e) Students' laboratories - 01
- f) Research laboratories- Nil

39. List of doctoral, post-doctoral students and Research Associates

a. From the host institution/university :

- Jyostna Rani Singh(RGNF)
- Jyalaxmi Ratha
- Gayatri Raut
- Subhangi Sahoo
- Rita Hansda (RGNF)
- Bilasini Mallik (RGNF)
- Jyotsna Mayee Sethi (RGNF)
- Pravamayee Acharya
- Rashmita Parida
- Smita Pradhan
- Sangita Swain
- Singhdha Rain Swain
- Sudhansu Mukhi

b. From other institutions/universities

40. Number of post graduate students getting financial assistance from the university.

- 2010 – Ms. N. Sirisa.
- 2011 - Ms. Lisa Rani Choudhury
- 2012 –Ms. Saswati Bhuyan
- 2013 - Ms. Swarnalata Mahapatra
- 2014 – Ms. Sasmita Mohanta

41. Was any need assessment exercise undertaken before the development of new programme(s)?  
If so, highlight the methodology. Nil
42. Does the department obtain feedback from
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? - NO
  - Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? - NO
  - Alumni and employers on the programmes offered and how does the department utilize the feedback? - NO
43. List the distinguished alumni of the department (Maximum 10):
- Ms. Pranati Patro-Deputy Director-cum-Deputy Secretary, Sc & ST Development, Govt. Of Odisha
  - Dr Sagarika Patnaik- Early childhood Education, USA
  - Ms. Chaitali Mishra-Director, ORIFLAME, New Delhi
  - Ms. Achman Das-Director, Bachhpan Play School
  - Ms. Sangita Patro-Senior Child Development Project Officer, Govt. Of Odisha
  - Ms. Lipsa Dora-Consultant, USA
  - Dr Indumati Patnaik-Special Educator and Trainer
  - Ms. Sarita Mohapatra-Independent Entrepreneur
  - Dr Susmita Mohanty-Project Coordinator, KBK District
  - Dr Pranayini Patnaik- Independent Entrepreneur
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
- Organized one day workshop in 2010 on the topic entitled – “Youth Development in Contemporary Indian Society”. Around 200 students both male and female cross the 20 departments of this University participated in this workshop. Prof. David K. Carson of University of Florida, USA was the external expert conducted the workshop with the help of Departmental resource persons.
  - Two days National Seminar was organized in 2011 on the topic entitled - Maternal and Child Health- A Challenge of the Millennium Development Goals”. Prof. Sunita Mishra from Lucknow, UP; Dr. Aruna Palta and Dr. Jogelkar from Raipur, Chhatishgargh were the invited speakers for the seminar. The seminar was attended by around 250 participants (delegates, students, scholars, invited guests) attended two days deliberations.
45. List the teaching methods adopted by the faculty for different programmes: Lecture method using Black Board and LCD projector.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?: Seminar presentation, Unannounced test, Quiz, Question/Answer session.

47. Highlight the participation of students and faculty in extension activities:

- Swatcha Bharat Abhiyaan
- Visit to Old age home at Gopalpur.
- Visit to Anganwadies and nearby day care centers for young children.
- Visit to visually impaired, mentally challenged and deaf and dumb school around Berhampur town.

48. Give details of “beyond syllabus scholarly activities” of the department–

- Student counseling is the regular feature of this department.
- Weekly Seminar

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. – Not applicable

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

51. Detail five major Strength, Weakness, Opportunities and Challenges (SWOC) of the department:

**Strength**

- Disciplined and self motivated students.
- All women department.
- Better understanding among teachers and students.
- Extra care to the students to develop proficiency in personal and professional life.
- Research publications of both National as well as International standards.

**Weakness**

- Outdated books in the Department Seminar Library.
- Inadequate infrastructural facilities like sitting space for M.Phil & Ph.D scholars, Office room for the Head of the Department.

**Opportunities**

- Establishing nodal centre for ICDS training, monitoring & evaluation centre.
- Nutritional Guidance and Counseling centre.
- Fashion designing training centre for Diploma course.
- Food processing training centre.
- Focus on Early Childhood Researches in different geographical locations of the State.

**Challenges**

- To attract more students to PG and M. Phil programmes.
- Managing outside the Department students under CBCT.
- Upgrading the Practical laboratories.
- To raise the quality of the students.

52. Future plans of the department:

- Up gradation of Class room, laboratories and Computer Lab in the department.
- Modernization of Department Library
- Opening of diploma courses in Family counseling, early childhood care and education, Food service management and dietetics, Fashion designing, Rural and community development.

## RESEARCH PUBLICATIONS (2010-2015)

## DEPARTMENT OF HOME SCIENCE

**Professor Aparajita Chowdhury** (Citation 54, h-index 2)

1. Carson, D.K, Jennifer, M.F and Chowdhury, A. (2015). Child Sexual Abuse in India: Understanding and Impacting Individuals, Families and Socio-cultural Systems. Germany: Lambert Academic Publishing (ISSN 978-3-659-35428-1).
2. Chowdhury, A. and Choudhury, R. (In Press). Development, Care and Education of Pre-School Children. New Delhi: Discovery Publications.
3. Chowdhury, A., (2015). "Role of Maternal Mental Health on Child Growth and Development". *International Journal of Applied Social Science*, 2 (1&2),46-53 (ISSN : 2394-1405).
4. Chowdhury, A. and Rout, G. (2015). "Gender & Generations Perspectives in Understanding Indian Family Life". *Asian Academic Research Journal of Social Sciences and Humanities*, 1 (32), 131-151, (ISSN: 2278-859X).
5. Carson, D.K, Jennifer, M.F and Chowdhury, A. (2014). "Sexual Abuse of Children and Youth in India – An Anthropological Perspective" in the *Oriental Anthropologist*, 1-14, (2), 149-170.
6. Chowdhury, A., Patnaik, M. M., Choudhury, R., and Raut, G. (2014). "Family Victimization and Plight of Elderly Women: A Representative Study in Odisha State of India". *International Research Journal of Social Sciences*, 3(6), 1-7, (ISSN 2319–3565).
7. Chowdhury, A. (2013). "Understanding Indian Family Life: The Gender Perspectives". *EXCEL International Journal of Multidisciplinary Management Studies*, 3(7), (ISSN: 2249-8834).
8. Chowdhury, A. and Choudhury, R. (2013). "Adolescents' Exposure to Family Violence in India: A Representative study in the state of Odisha". *Asian Academic Research Journal of Social Sciences and Humanities*, 1(12), 95 – 115, (ISSN: 2278 – 859X).
9. Chowdhury, A. (2013). "Violation Child Rights within Family". In *the People's Beacon, Bhubaneswar: Odisha Human Rights Commission*, 57-62.
10. Chowdhury, A. (2012). "Victimization of Elderly Women: Cases of Community Violence" – In D. Pulla Rao Edited book on "Ageing in India: Challenges & Opportunities, Mangalam Publisher and Distributors, Delhi, 44-58.(ISBN 978-93-81142-48-6).
11. Patnayak, S., Choudhury, R. and Chowdhury, A. (2012). "A Study of Paternal Attitudes and Children's Personality". *Journal of Pedagogy*, IV, (2), 12-21 (ISSN 0975-0797).
12. Patnaik, M.M., Chowdhury, A. and Raut, G. (2012). "Parental Abuse and Child Rights Issues". *Social Welfare*, 58, (10), 24-29 (ISSN – 0037-8038).
13. Chowdhury, A. (2012). Text Book on Child Development and Family Studies. New Delhi: Academic Excellence.
14. Chowdhury, A., Patnaik, M. M. and Raut, G. (2011). "Life in the Sunset Years: Family Victimization of Elderly Women in Odisha". *Berhampur University Research Journal*, 1, 164-175 (ISSN – 2250-1681).
15. Chowdhury, A. (2011). "Empowering At-Risk Families through Effective Parenting and Family Learning Process". *Studies Home and Community Sciences*, 5, (1), 51 - 61.
16. Chowdhury, A. and M.M. Patnaik. (2010). "Empowering Men and Boys to achieve Gender Equality in India". *Journal of Developing Societies*, 26 (4) 455-471. (SJR: 0.32, Cited by 24)

**Professor Puspanjali Samantaray**

1. Acharya, S. and Samantaray, P. (2013). Role of SHG in empowering tribal women. *Asian J. of Home Science*, 8, 379-382 (ISSN: 0973-4732)
2. Acharya, S. and Samantaray, P. (2013). Study on SHG in Gajapati district, Odisha. *e-Plannet*, 2, (ISSN:0974-4398/2008)
3. Acharya, S. and Samantaray, P. (2013). Impact of Women SHG in empowering tribal farming communities. *Asian J. of Home Science*, 8, 483-486 (ISSN: 0973-4732)
4. Acharya, S. and Samantaray, P. (2013). A Qualitative Study on Role of Self Help Group in Tribal Women Empowerment. *IOSR-JHSS*, 9, (3), (ISSN:279-0837)
5. Patro, S. and Samantaray, P. (2011). Impact of Socio Economic Factors on Nutritional Status of Pre-School Children. *Asian J. of Home Science*, (ISSN:0976-8351)

**Professor Arundhati Rath**

1. Arundhati, R. (2011). Maintaining Positive Mental Health during Empty Nest Period. *Research Journal of Berhampur University*, 1, 2011 (ISSN: 2250-1681)

**Professor Anjali Pattanaik**

1. Anjali, P. (2011). NRHM – An acceptable, affordable and accessible health service. *Research Journal of Berhampur University*, 1, 2011 (ISSN: 2250-1681)



Department of Marine Sciences

### BRIEF PROFILE OF THE DEPARTMENT OF MARINE SCIENCES

- |                                                                 |                                                                                                                                                                                                        |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 Name of the Department                                        | <b>: Marine Sciences</b>                                                                                                                                                                               |
| 2 Year of the Establishment                                     | <b>: 1978, M.Sc Geophysics (2009)</b>                                                                                                                                                                  |
| 3 Courses/Programmes and Subject combinations offered           | <b>: (i) M.Sc &amp; M.Phil in Oceanography (Physical Oceanography, Marine Chemistry, Marine Geology, meteorology (ii) M.Sc &amp; M.Phil in Marine Biology (Plankton productivity, Fishery Biology)</b> |
| 4 Number of teaching posts Sanctioned Filled                    | <b>&gt; Sanctioned:10, Filled:04</b>                                                                                                                                                                   |
| 5 Number of Technical Staff present                             | <b>: Nil</b>                                                                                                                                                                                           |
| 6 Number of Students ( Men / Women)<br>Give Details Course Wise |                                                                                                                                                                                                        |

	Year	Name of the Programme	Selected Male	Selected Female
	<b>2010</b>	<b>PG:</b>		
		<b>Oceanography</b>	<b>6</b>	<b>2</b>
		<b>Marine Biology</b>	<b>5</b>	<b>2</b>
		<b>M.Phil:</b>		
		<b>Oceanography</b>	<b>Nil</b>	<b>Nil</b>
		<b>Marine Biology</b>	<b>-</b>	<b>2</b>
	<b>2011</b>	<b>PG:</b>		
		<b>Oceanography</b>	<b>9</b>	<b>1</b>
		<b>Marine Biology</b>	<b>5</b>	<b>3</b>
		<b>M.Phil:</b>		
		<b>Oceanography</b>	<b>2</b>	<b>1</b>
		<b>Marine Biology</b>	<b>1</b>	<b>3</b>
	<b>2012</b>	<b>PG:</b>		
		<b>Oceanography</b>	<b>6</b>	<b>4</b>
		<b>Marine Biology</b>	<b>4</b>	<b>5</b>
		<b>M.Phil:</b>		
		<b>Oceanography</b>	<b>-</b>	<b>-</b>
		<b>Marine Biology</b>	<b>1</b>	<b>1</b>
	<b>2013</b>	<b>PG:</b>		
		<b>Oceanography</b>	<b>7</b>	<b>2</b>
		<b>Marine Biology</b>	<b>4</b>	<b>3</b>
		<b>M.Phil:</b>		
		<b>Oceanography</b>	<b>1</b>	<b>2</b>
		<b>Marine Biology</b>	<b>1</b>	<b>1</b>
	<b>2014</b>	<b>PG:</b>		
		<b>Oceanography</b>	<b>7</b>	<b>3</b>
		<b>Marine Biology</b>	<b>7</b>	<b>3</b>
		<b>M.Phil:</b>		
		<b>Oceanography</b>	<b>-</b>	<b>-</b>
		<b>Marine Biology</b>	<b>2</b>	<b>2</b>

- 7 Ratio of Teacher to Students : **Marine Biology(1:26), Oceanography(1:9)**
- 8 Ratio of Teachers to Research Scholars : **4:16**
- 9 Number of Teachers Scholars who have obtained their master's degree from other institutions : **01 (Prof.A.S.N.Murthy Retd.)**
- 10 Number of Teachers in Academic Bodies of other Autonomous Colleges and Universities : **01**
- 11 Latest revision of the curriculum ( year) : **2015**
- 12 Number of student passed in NET/ SLET etc. ( last 5 years) : **3**
- 13 Success Rate of Students : **100 per cent**
- 14 Demand Ratio ( No. of application) : **374**
- 15 Awards and recognition received by faculty ( last 5years) : **Head as Member, Odisha Coastal Zone Management Authority**
- 16 Faculty who have attended National/ International Seminars ( last 5 years) (numbers only) ➤ **41 +25 = 66**
- 17 Number of National Seminars Organized( Last 5 years) : **02**
- 18 Number of Teachers engaged in consultancy and the revenue generated : **01 Project cost:81.62 Lakhs**
- 19 Number of Ongoing projects and their total outlay : **02 Total outlay:106.96 lakhs**
- 20 Research project completed during last five years & their Outlay : **Total outlay: 41.93 lakhs**
- 21 Number of inventions and patents : **Nil**
- 22 Number of Ph. D theses guided during the last five years : **20**
- 23 Publication by faculty ( last five years) : **97**
- 24 Average citation index and impact factor of publication : **Provided in the Publication List**
- 25 Number of Books in the Department library, if any : **1191**
- 26 Number of Journals / Periodicals in the departmental library : **some back volume journals are available**
- 27 Number of Computers in the department : **8 (Including of projects)**
- 28 Annual Budget (Excluding Salary) In Rupees :
- Equipment :
  - Books and Journals : **Books: Rs. 2,16000/-, Jorunal allocation done centrally**
  - Other contingency :
  - Lab. Contingency :

### Evaluative Report of the Department of Marine Sciences

1. Name of the Department : **Marine Sciences**
2. Year of establishment : 1978  
: M.Sc Geophysics offered under Self Financing Mode: Since 2009
3. Is the Department part of a School/Faculty of the university? Yes  
The department is the part of Science and Technology Faculty
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.): PG, M. Phil, Ph. D and D.Sc. , M.Sc Geophysics (SFC)
5. Interdisciplinary programmes and departments involved : Yes  
The department is imparting Post-graduate degrees in Oceanography, Marine Biology and Geophysics
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : No
7. Details of programmes discontinued, if any, with reasons : Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System : The department though has Semester system of examinations, recently CBCS system is introduced
9. Participation of the department in the courses offered by other departments : Allied Elective courses are introduced under CBCS
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	02	Nil	04
Associate Professors	02	Nil	Nil
Asst. Professors	06	Nil	Nil

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D.& M.Phil. students guided for the last 5 years
Prof. B.K. Sahu	M.Sc, Ph. D	Professor	Marine Chemistry	35	01
Prof. A.S.N Murty	M. Sc Tech, Ph D	Professor	Physical Oceanography	33	03
Prof. R.C. Panigrahy	M.Sc, Ph D	Professor	Biological Oceanography	35	07

Prof. L. Nayak	M. Sc, Ph. D	Professor	Fisheries	32	13
Prof. S.N. Padhy	M.Sc, Ph D	Professor	Oceanography	32	04
Prof. K. C. Sahu	M.Sc, Ph. D	Professor	Oceanography	28	11
Prof. P.K. Mohanty	M.Sc, Ph D.	Professor	Oceanography	28	07

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors : **For Geophysics (SFC)**
- Dr S. Panda
  - Dr R. K. Padhy
  - Dr D. Nooka Raju
  - Dr B. C. Bhattacharya
  - Dr K. Subba Rao
  - Dr Sampat Kumar
  - Dr Jyoti Prakash
13. Percentage of classes taken by temporary faculty – programme-wise information: 20%  
One guest faculty and one Visiting Professor are engaged for Oceanography and Marine Biology respectively. For M.Sc Geophysics most of the classes are taken by the Visiting Faculties apart from the faculties of the University.
14. Programme-wise Student Teacher Ratio: Marine Biology(26:1), Oceanography(9:1)
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual : sanctioned (Lab. Asst.) -2, filled(Lab. Asst.) -2, Actual-nil
16. Research thrust areas as recognized by major funding agencies: 1. Ocean Bio -optics 2. Coastal processes and geomorphology, 3. Marine Biodiversity, 4. Coastal Pollution and water quality
17. Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.: Two
- a) Characterizing coastal water quality using bio-optical properties with special emphasis to phytoplankton size class. Funded by: Indian National Center for Ocean Information Services (INCOIS), MoES, Govt. of India (Project Cost: 65.03 lakhs),
  - b) Environmental Monitoring of Gopalpur port during and after construction of all weather direct berthing port (**Consultancy Project**) Gopalpur Port (81.62 Lakhs)
18. Inter-institutional collaborative projects and associated grants received
- a) National collaboration (ICMAM,) b) International collaboration: Nil
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. UGC- SAP( 75 Lakhs)
20. Research facility / Centre with
- a. state recognition ✓
  - b. national recognition ✓
  - c. international recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies : A research laboratory is equipped with required facilities using the fund from a sponsored project by Gopalpur Ports Limited.
22. Publications:
  - Number of papers published in peer reviewed journals (national / international) : 82
  - Monographs: 01
  - Chapters in Books : 07
  - Edited Books: Nil
  - Books with ISBN with details of publishers: 01
  - Number listed in International Database (For *e.g.* Web of Science, Scopus,
  - Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
23. Details of patents and income generated : Nil
24. Areas of consultancy and income generated : Coastal Processes
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : Faculty members of the department, as members of OCZMA and NCEF have visited different laboratories / institutes / industries in India.
26. Faculty serving in
  - i) National committees b) International committees c) Editorial Boards d) any other (please specify) : (a) Faculty involved as Member of the Ocean Coastal Zone Management Authority (OCZMA)
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs). : Faculty members of the department have delivered lectures in UGC Refresher/orientation courses as resource person and also delivered invited lectures at various workshops and conferences.
28. Student projects :
  - a. percentage of students who have done in-house projects including inter-departmental projects
  - b. percentage of students doing projects in collaboration with other universities / industry / institute  
Students are doing their M.Phil/Ph.D projects in collaboration with other institutes / laboratories.
29. Awards / recognitions received at the national and international level by
  - a. Faculty
    - Prof K. C. Sahu: Member, Odisha State Coastal Zone Management Authority (OCZMA) Govt. of India.
    - Prof. K. C. Sahu: Member-Identification of Eco-Sensitive Zone around Chilika Sanctuary Govt. of Odisha.
    - Prof. P. K. Mohanty, UGC Nominee on the Governing Body of Banki College (Autonomous) for the period 2013-2014 to 2018-2019 vide UGC L.N. F.2-23(10)/2004(AC) dated 01 October 2013

- Prof. P. K. Mohanty: Member, Odisha State Coastal Zone Management Authority (OCZMA) Govt. of India, (2008-2011)
  - Prof. P. K. Mohanty: State Level Monitoring Committee under NCEF, Govt. of India
  - Prof. S. N. Padhi: Member, Odisha State Coastal Zone Management Authority (OCZMA) Govt. of India
- b. Doctoral / post doctoral fellows
- c. Students:
- Mr. Chandanalal Parida, JRF of INCOIS sponsored Satellite and Coastal Oceanographic Research (SATCORE) Project Participated in a Cruise “South Western Tropical Indian Ocean Expedition, 2014 (SWTIO) on board ORV Sagar Nidhi (28<sup>th</sup> May to 28<sup>th</sup> June, 2015) and has crossed the equator on 4<sup>th</sup> June, 2015. A remarkable journey to Ocean.
  - Chandanalal Parida, Junior Research Fellow of INCOIS Project participated in an Indo-US Cruise “Ocean Mixing and Monsoon (OMM)” Program (23<sup>rd</sup> August 2015 to 15<sup>th</sup> September 2015) supported by the Ministry of Earth Sciences (MoES), Govt. of India in collaboration with US Navy.
  - Ms Premalata Pati, SRF and INSPIRE Fellow has been selected for Newton-Bhabha Fellowship and shall work at the University of Aberdeen, Scotland.
30. Seminars/ Conferences/Workshops organized and the source of funding (national & international) with details of outside participants, if any:

Sl. No.	Date	Title of the Seminar/ Conference/Workshop	No. of participants
1.	8-9 Feb., 2010	A workshop cum MB meeting was organized under the auspices of OASTC in collaboration with Marine Science Department	50
2.	24-25 Feb., 2012	National Seminar on Integrated Coastal Zone Management,	100
3	25-26 Feb., 2013	National Seminars on Marine Biodiversity and Coastal Pollution,	100
4	23 March, 2015	National workshop on Coastal Ocean Observations	60

31. Code of ethics for research followed by the departments : Quality observation and analysis of data, and publication of research results in refereed journals

32. Student profile programme-wise:

Year	Name of the Programme	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
2010	PG:					
	Oceanography	35	6	2	100	100
	Marine Biology	23	5	2	100	50
	M.Phil:	Nil	Nil	Nil	Nil	Nil
	Oceanography	2	-	2	-	100



	Marine Biology					
2011	PG:					
	Oceanography	45	9	1	100	100
	Marine Biology	40	5	3	100	100
	M.Phil:					
2012	Oceanography	3	2	1	100	100
	Marine Biology	4	1	3	100	100
	PG:					
	Oceanography	52	6	4	100	100
2013	Marine Biology	30	4	5	100	100
	M.Phil:					
	Oceanography	-	-	-	-	-
	Marine Biology	2	1	1	100	100
2014	PG:					
	Oceanography	26	7	2	100	100
	Marine Biology	24	4	3	100	100
	M.Phil:					
2015	Oceanography	3	1	2	100	100
	Marine Biology	2	1	1	100	100
	PG:					
	Oceanography	42	7	3	100	100
2016	Marine Biology	37	7	3	100	100
	M.Phil:					
	Oceanography	-	-	-	-	-
	Marine Biology	4	2	2	100	100

## M.Sc Geophysics (SFC) students profile

Sl. No	Year	Male	Female	Total	Pass %
1	2010-11	6	3	9	100
2	2011-12	8	-	8	100
3	2012-13	5	4	9	100
4	2013-14	4	4	8	100
5	2014-15	4	5	9	100

## 33. Diversity of Students

Name of the Programme	% of Students from the same University	% of Students from other Universities within the state	% of students from universities outside the State	Students from other countries
P.G.	60	40	Nil	Nil
M.Phil	90	10	Nil	Nil
Ph.D.	90	10	Nil	Nil

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.: NET: 3,

## 35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	50
PG to Ph.D.	50
Ph.D. to Post-Doctoral	10
Employed	
• Campus selection	30
• Other than campus recruitment	20
Entrepreneurs	5

## 36. Diversity of Staff

<b>Percentage of faculty who are graduates of the</b>	
Same university	:70%
From other universities within the State	:15%
From universities from other States	:15%
From universities outside the country	:Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : Nil

38. Present details of departmental infrastructural facilities with regard to

- Library : The department has a library containing 1191 books
- Internet facilities for staff and students : Available
- Total number of class rooms : Six
- Class rooms with ICT facility: NA
- Students' laboratories : Four
- Research laboratories: **Five** (including SAP Lab.) with one Computer Lab

39. List of doctoral, post-doctoral students and Research Associates :

- from the host institution/university  
 (1) Annada Bhusan Kar (2) Susant Kumar Misra (3) Asim Amitav Pattanayak (4) Mukund Kesari Khadanga (5) Prakash Chandra Mohanty (6) S.K.Panda (7) D.K.Panda (8) S.K.Baliarsingh (9) Durga Prasad Behera (10) Pragnya Padhi (11) Sudeepta Biswas (12) Bikaram Kesari Baliarsingh (13) Simanchal Das (14) Amita Kumari Mohanty (15) Rabindranath Samal (16) Gyanedranath Mohapatra (17) Subrata Kumar Nayak (18) Sovan Kumar Sahu (19) Santosh Kumar Achary (**PhD Enrolled & Awarded - 19**)  
 1) B.N.Mishra (2) Subrat Achary (3) T.Padmavati (4) P.C.Sahu (5) Suchismita Srichandan (6) Subhasree Sahoo (7) Sunita Das (8) Biranchi Kumar Mahala (9) Wilson Tripathy (10) Sisir Kumar Patra (11) Madan Mohanty (12) Budhadeb Seth (13) Umakanta Pradhan (14) Lingaraj Kar (15) Rabindra K. Sahoo (16) Shrabana Kumar Barik (17) Pabin Kumar Kar (18) Biraj Kumar Sahu (19) Premalata Pati (20) Rachana Panda (21) L Mohapatra (22) D. Mohapatra (**Doctoral students - 21**)
- From other institutions/universities: Nil

40. Number of post graduate students getting financial assistance from the university. Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)?  
If so, highlight the methodology. NA
42. Does the department obtain feedback from
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes, utilized while revising/updating the syllabus
  - Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? NA
  - Alumni and employers on the programmes offered and how does the department utilize the feedback? Yes, Department has been trying to facilitate the PG./research students with better laboratory facilities in support/coordination with alumni. The Research students of the department with the help of the alumni are availing the facility at INCOIS, ICMAM etc.
43. List the distinguished alumni of the department (maximum 10)
- Dr J. Swain, Senior Scientist, NPOL, Cochin
  - Dr Swadhin K. Behera, Senior scientist, JAMSTECH, JAPAN
  - Dr. J.P Sahu, Professor, OUAT
  - Dr. A Mitra, Senior Scientist, NCMRWF, New Delhi
  - Dr. A. Mishra, IIRS, ISRO, Dehradun
  - Dr. Y. Pradhan, Scientist, Met Office, UK
  - Dr S.K. Sasmal, Senior scientist, NRSC, Hyderabad
  - Dr. J.K. Mishra, Head, Ocean Studies, Pondicherry University
  - Dr. G. Someswara Rao, Chief Engineer, Kandla Port, Gujrat
  - Dr. Pravakar Mishra, Scientist-E, ICMAM-PD, Chennai, MoES
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Period	Name of the Speaker and address	Topic
30.04.2010	P. Jayakumar CP Aqua, Andhra pradesh	Shrimp hatchery and its management
22.07.2010	Dr. Sushen Krishna Das, IIT, Kharagpur Dr. Purusottamam Jagarnath Das, IIT, Kharagpur	How Did Life Get Here-by design or by chance Evolution of Computers
03.02.2011	Dr. K.S.R. Murthy, Emeritus scientist, NIO Regional Centre, Visakhapatnam	Geophysical Methods in hydrocarbon exploration
04.02.2011	Dr. William K. Mohanty, IIT, Kharagpur	Seismic Zonation and microzonation in India
15.03.2013	Umesh C Pradhan, East China Normal University, China	Chemical and geochemical exploration methods
22.08.2014	Dr. K.C. Gouda, CMMACS, NAL, Bangalore	Extreme weather events and their forecast using numerical models
23.03.2015	Dr. Ranadhir Mukhopadhyaya, NIO, Goa Prof. G.N. Nayak, Goa Unievrsity, Goa Dr. P. Bhanumurty, Andhra University, Visakhapatnam Dr. S. Pattanaik, IIT, Bhubanesawr Dr. R.N. Samal, Scientist, CDA, Bhubaneswar	Coastal Ocean Observations
16.07.2015	Dr. P. Mishra, SCIENTIST, ICAMA-PD, Chennai	Water Quality monitoring and prediction along Chennai coast
20.07.2015	Dr. P.Kumar, Sr. Scientist, Odisha Space Applications Centre, Bhubaneswar	Remote Sensing applications for natural resource management in Odisha
21.07.2015	Dr. Jagannath Swain, Scientist-F, NPOL, DRDO, Cochin	Role of Oceanography in Naval Defence

45. List the teaching methods adopted by the faculty for different programmes.  
Blackboard, White Board, PPT, Internet facilities/methods, field demonstration
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? By way of interacting students in proctorial classes prescribed in the time-table
47. Highlight the participation of students and faculty in extension activities:  
Students participate in field studies conducted every year both within and outside the state. Students and faculty participate in beach cleaning programme, sea turtle monitoring programme every year.
48. Give details of “beyond syllabus scholarly activities” of the department: The department observes Earth Day and World Meteorological Day with active participation of students.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. UGC, MoES
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: Quality manpower has been developed in the field of space science utilizing modern and rare equipments like hyperspectral underwater radiometer, SUN Photometer, automatic Weather Station (AWS), DGPS, RTK etc.
51. Detail five major Strength, Weakness, Opportunities and Challenges (SWOC) of the department.

**Strength**

- Students are studious and disciplined
- Faculties have sponsored research projects to support the students both financially and academically
- Employment opportunities of the students at national and international laboratories and private firms/organizations
- Alumni of the department are supportive

**Weakness**

- Inadequate faculty members
- State of the Art equipments, softwares and World Class Laboratories, required for cutting edge research are not available at par with national advanced centres
- Access to reputed journals, periodicals by students and faculties is not available
- Seagoing vessel and field laboratory are not available
- Employment opportunities for students within the state is meager

**Opportunities**

- Proximity of the department near to the coast provide ample opportunities for carrying out field based research studies
- Keeping in view the present climate change scenario, the department has expertise to undertake research studies in the major focused areas for possible mitigation/adaptation to climate change
- Still lot of multidisciplinary research work need to be encouraged along Odisha Coast in general, and Gopalpur Coast in particular as the Department of Marine Sciences is the only department in Odisha.

**Challenges**

- To meet the demands of the coastal population of the state providing them necessary scientific support in terms advisories for fish catch, early warning for natural disasters, pollution free coastal environment and necessary input for sustainable coastal zone management

## 52. Future plans of the department.

- Strengthening institutional linkage and to have dialogue with institutions of repute and integrating them into a common platform to prepare roadmap for future research.
- To set up a state of the art world class laboratory to undertake cutting edge research studies in the field of ocean science
- Socially oriented S & T intervention in the field of natural disasters mitigation and coastal zone management programme.

**RESEARCH PUBLICATIONS (2010-2015)**  
**DEPARTMENT OF MARINE SCIENCES****Professor B.K. Sahu**

1. Khadanga, M. K., Das, S., & Sahu, B. K. (2012). Seasonal variation of the water quality parameters and its influences in the Mahanadi estuary and near coastal environment, east coast of India. *World Applied Sciences Journal*, 17(6), 797-801. (Citation: 1, SNIP: 0.714, SJR: 0.322, IF: 0.230, H-Index: 10)
2. Jena, B., Sahu, S., Rao, M. V., & Sahu, B. K. (2011). A comparative assessment of IRS-P4 (MSMR)-derived sea surface temperature and sea surface wind speed over the north Indian Ocean. *International journal of remote sensing*, 32(24), 9879-9891. (Citation: 0, SNIP: 1.129, SJR: 0.816, IF: 1.652, H-Index: 38)
3. Ganguly, D., Dey, M., Chowdhury, C., Pattnaik, A. A., Sahu, B. K., & Jana, T. K. (2011). Coupled micrometeorological and biological processes on atmospheric CO<sub>2</sub> concentrations at the land-ocean boundary, NE coast of India. *Atmospheric Environment*, 45(23), 3903-3910. (Citation: 6, SNIP: 1.537, SJR: 1.431, IF: 3.281, H-Index: 66)
4. Rahul, P. R. C., Salvekar, P. S., Sahu, B. K., Nayak, S., & Kumar, T. S. (2010). Role of a cyclonic eddy in the 7000-year-old mentawai coral reef death during the 1997 Indian Ocean dipole event. *Geoscience and Remote Sensing Letters, IEEE*, 7(2), 296-300. (Citation: 3, SNIP: 2.257, SJR: 1.534, IF: 2.095, H-Index: 37)

**Professor R. C. Panigrahy**

1. Mohapatra, L., Pati, P., Panigrahy, R., & Bhattamisra, S. K. (2013). Therapeutic health booster: Seaweeds against several maladies. *Indian Journal of Geo-Marine Sciences*, 42(5), 538-546. (Citation: 1, SNIP: 0.07, SJR: 0.108, IF: 0.313, H-Index: 12)
2. Sahu, B. K., Panigrahy, R. C., (2013). Jellyfish bloom along the south Odisha coast, Bay of Bengal. *Current Science*, 104(4), 410. (Citation: 1, SNIP: 0.771, SJR: 0.293, IF: 0.833, H-Index: 2)
3. Sahu, B. K., Pati, P., Panigrahy, R. C., (2013). Plastic litters: a major environmental issue in Chilika lagoon. *Current Science*, 104(9), 1133. (Citation: 2, SNIP: 0.771, SJR: 0.293, IF: 0.833, H-Index: 2)
4. Mahapatro, D., Panigrahy, R. C., Naik, S., Pati, S. K., & Samal, R. N. (2011). Macrobenthos of shelf zone off Dhamara estuary, Bay of Bengal. *Journal of Oceanography and Marine Science*, 2(2), 32-42. (Citation: 7, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
5. Mahapatro, D., Panigrahy, R. C., Panda, S., & Mishra, R. K. (2010). Influence of monsoon on macrobenthic assemblage in outer channel area of Chilika lagoon, East coast of India. *Journal of Wetlands Ecology*, 3, 57-68. (Citation: 4, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
6. Achary, M. S., Sahu, G., Mohanty, A. K., Samatara, M. K., Panigrahy, S. N., Selvsnsysgam, M., & Panigrahy, R. C. (2010). Phytoplankton abundance and diversity in the Coastal waters of Kalpakkam, east coast of India in relation to the environmental variables. *Bioscan*, 2, 553-568. (Citation: 8, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
7. Mohanty, A. K., Sahu, G., Singhsamanta, B., Mahapatra, D., Panigrahy, R. C., Satpathy, K. K., & Sahu, B. K. (2010). Zooplankton diversity in the nearshore waters of Bay of Bengal, off Rushikulya estuary. *The IUP Journal of Environmental Sciences*, 4(2), 61-85. (Citation: 7, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)

**Professor A.S.N. Murty**

1. Misra, S. K., Chandramohan, P., Murty, A. S. N., & Mahadevan, R., (2011) Numerical simulation of tide, wind and storm induced current off Chennai coast. *The Ecoscan, 1*, 119-123. (Citation: 0, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
2. Panigrahi, J. K., Tripathy, J. K., & Murty, A. S. N. (2011). Extremity analysis of storm surge for fixing safe design water level. *Natural hazards, 56(1)*, 347-358. (Citation: 1, SNIP: 1.193, SJR: 0.767, IF: 1.958, H-Index: 41)
3. Murty, A. S. N. & Murty, V. S. N. (2010). *A text book on Physical Oceanography*, New Delhi: APH Publishing Corporation.

**Professor L. Nayak**

1. Nayak, L., Pati, M.P. and Sharma, S.D. (2015). Bioaccumulation of Trace Metals in two Species of Crabs from Chilika Lagoon, East Coast of India. *Journal of Atmosphere. Vol. 1(1)*, 1-7. (Citation: 0, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
2. Pati, M.P, Nayak, L. and Sharma, S.D. (2015). On the current status of biodiversity in Ghodahada reservoir, Ganjam district, Odisha, India. *Research Journal of Marine Science. Vol. 3(1)*, 1-8. (Citation: 0, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
3. Pati, M.P., Nayak, L., Sharma, S. D., Sahoo, J. and Behera, D.P. (2014). Studies on seagrasses in relation to some environmental variables from Chilika Lagoon, Odisha. *International research journal of Environmental Sciences. Vol. 3:11*, 92-101. (Citation: NA, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
4. Pati, M.P., Nayak, L. and Sharma, S. D. (2014). Studies on Biomass of Seagrass, Seaweed and its associated fauna from Chilika lagoon. *International Journal of Environmental Sciences. Vol.5: 2*, 423-431. (Citation: 0, SNIP: NA, SJR: NA, IF: NA, H-Index: 20)
5. Nayak, L., Mohapatra, R., Padhi, P. and Sharma, S. D. (2014). Food and feeding habit of *Scylla serrata* and *Scylla Tranquebarica* from chilika lagoon, east coast of india. *Journal of International Academic Research for Multidisciplinary. Vol.2: 10*, 467-478. (Citation: 0, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
6. Sharma, S.D, K. Manish, Panda, C.R, Nayak. L, Behera, D. P, Pati, M.P. (2014). Effect of Mass Bathing on Water and Sediment Quality of Sagar Island Beach during Ganga Sagar Mela. *JIARM;2 (6)*: 187-199. (Citation: 0, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
7. Mohanty, A. K, Nayak, L and Bhatta, K. S. (2014). Length-weight relationship and relative condition factor of Asian seabass, *Lates calcarifer* (Bloch) from Chilika Lagoon, Odisha. *International Journal of Fisheries and Aquaculture studies; 1(6)*: xx-xx. (Citation: 0, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
8. Behera, D.P and Nayak, L. (2013). A check list on Distribution of Ornamental Fishes in Chilika Lagoon, East Coast of India. *Journal of fisheriesSciences.com; 8 (1)*: 52-60. (Citation: 0, SNIP: NA, SJR: NA, IF: NA, H-Index: 6)
9. Behera, D.P and Nayak, L. (2013). A checklist of Macro Faunal Diversity of Bahuda Estuary, Odisha, East Coast of India. *International Journal of Ecosystem; 3 (6)*: 172-176. (Citation: 0, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
10. Behera, D.P, Nayak, L and Sharma, S.D. (2013), A checklist of Ichthyofaunal Diversity of Bahuda Estuary, Odisha, East Coast of India. *International Journal of Zoological Research; 9 (2)*: 39-48. (Citation: 0, SNIP: 0.561, SJR: 0.132, IF: NA, H-Index: NA)
11. Behera, D.P and Nayak, L. (2013). Floral Diversity of Bhitarkanika, east Coast of India and its Potential uses. *Journal of chemical, Biological and physical sciences; 3(3)*:1863-1874. (Citation: NA, SNIP: NA, SJR: NA, IF: 1.082, H-Index: 10)
12. Biswas, S. Mishra, S.S., Das .N.P.I., Satapati, K.K., Nayak, L and Silvanayagam, M (2013). First recorded range extention of bigscale jawfish, *Opistognathus macrolepis* (Perciformes:



- Opistognathidae), from Indian Ocean, *Marine Biodiversity Records*; 6:1-4. (Citation: 1, SNIP: 0.422, SJR: 0.264, IF: NA, H-Index: 11)
13. Nayak, L., Mohanty, A. K., Mohapatra, R., Padhi, P. (2013). Biodiversity of Rushikulya estuary in relation to hydrological parameters with a note on its conservation and management. In D. V. Rao, L. Kosygin & S. Dash (Eds.), *Estuaries of India* (pp. 113-132). Kolkata: Nature Books India.
  14. Nayak, L., Mohapatra, R., Das, S., Mohanty, A., Padhi, P. (2013). Ecology and macro faunal diversity of Bahuda estuary, Odisha, India. In D. V. Rao, L. Kosygin & S. Dash (Eds.), *Estuaries of India* (pp. 133-142). Kolkata: Nature Books India.
  15. Nayak, L., Padhi, P., Mohapatra, R., Mohanty, A. K., Das, S. (2013). Biodiversity of ornamental fishes of Chilika Lagoon, with a note on their conservation and management. In D. V. Rao, L. Kosygin & S. Dash (Eds.), *Estuaries of India* (pp. 143-152). Kolkata: Nature Books India.
  16. Biswas, S. Mishra, S.S., Das .N.P.I., Satapati, K.K., Nayak, L and Silvanayagam, M (2012). A New Recored of a Garden Eel, Hetroconger Tomberua (Actinopterygii: Anguilliformes: Congridae), from the Indian Ocean. *Acta Ichthyologicaet Piscatoria*, 42(1):65-68. (Citation: 2, SNIP: 0.895, SJR: 0.375, IF: 0.577, H-Index: 10)
  17. Biswas, S. Mishra, S.S., Das .N.P.I., Nayak, L Silvanayagam, M and Satapati, K.K (2012). New recoreds of four reff-associated fishes from east coast of India. *Acta Ichthyologicaet Piscatoria*, 42 (3):253-258. (Citation: 1, SNIP: 0.895, SJR: 0.375, IF: 0.577, H-Index: 10)
  18. Nayak, L., Das, S and Behera, D.P (2012). Impact of Beach Erosion on the Socio Economic Condition of Fisher Folk of Podampeta Village, Odisha, India. *Journal of environmental Research and Development*, 7(A1):561-568. (Citation: 0, SNIP: NA, SJR: NA, IF: 1.613, H-Index: 8)
  19. Biswas, S., Mishra, S. S., Das, N. P., Nayak, L., Selvanayagam, M., & Satpathy, K. K. (2012, December). First record of eleven reef inhabiting fishes from Tamil Nadu coast of India, Bay of Bengal. In *Proceedings of the Zoological Society* (Vol. 65, No. 2, pp. 105-113). Springer-Verlag. (Citation: 3, SNIP: NA, SJR: NA, IF: NA, H-Index: 6)
  20. Mohanty, A.K and Nayak, L (2012). Fishermen of Samala Village of Chilika lagoon, Orissa Their Socio-economoc Condition. *Fishing Chimes*, 32(4):38-43. (Citation: NA, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
  21. Das. S and Nayak, L (2012). Pen Culture of Mud Crab (*Scylla serrata*) in Chilika Lagoon, Orissa, East Coast of India. *Deccan Current science*, 7:109-116. (Citation: NA, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
  22. Das, S. Nayak, L and Das, C. P (2012). Studies on Some Air Quality Parameters of Berhampur, Municipal Corporation, Orissa. *Deccan Current Science*, 6:337-343. (Citation: NA, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
  23. Nayak, L., Behera, D.P and Das, S (2012). Molluscan Wood-Borers of Chilika Lagoon, East Coast of India and Their Control Measures. *Current Research Journal Biological Science*, 4(2):186-191. (Citation: 1, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
  24. Nayak, L., Das, S and Behera, D.P (2012). Drinking Water Characteristics of Berhampur City, Orissa, India. *Pollution Research*, (In press). (Citation: NA, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
  25. Behera, D. P., Devdas, K and Nayak, L. (2011). Reverse transcriptase polymerase chain reaction is a sensitive diagnostic tool for detection of nodavirus infection in *Macrobrachium rosenbergii*, *International journal of fisheries and aquaculture*, 3(10):191-194. (Citation: 1, SNIP: NA, SJR: NA, IF: NA, H-Index: 7)
  26. Behera, D. P and Nayak, L (2011). Role of probiotics in sustainable shrimp farming along Balasore coast, Orissa. *The Bioscan*. 6(1): 97-102. (Citation: 0, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)

27. Nayak, L and Padhi, P (2011). Conservation and Management of salt water Crocodile (*Crocodylus porosus*) in Relation to some Physico-Chemical Parameters from Bhitakanika sanctuary, Orissa. 10(3):389-394. (Citation: 0, SNIP: 0.163, SJR: 0.138, IF: 1.621, H-Index: 6)
28. Nayak, L. (2010). Concentration of Nine Heavy Metals in Sardines and Mackerels from Gopalpur Coast, Orissa. In K. Vijaykumar & B. Vasanthkumar (Eds.), *Aquatic Ecosystem and its Management* (pp. 251-297). Delhi: Daya Publishing House.
29. Nayak, L., Mangal, S., Samantara, M. K., Sethi, G. K., (2010). Disposal of Various Concentrations of Different Effluents from J.K. Paper Mill to the River Nagabali, Orissa. In K. Vijaykumar & B. Vasanthkumar (Eds.), *Aquatic Ecosystem and its Management* (pp. 441-454). Delhi: Daya Publishing House.

### Professor S.N. Padhy

1. Behera, P. K., & Padhy, S. N. (2012). Physico-Chemical Studies on Water Quality Characteristics of Bahuda Estuary, Bay of Bengal. *Nature, Environment and Pollution Technology*, 11(1), 117-120. (Citation: 0, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
2. Padmavati, T., Padhy, S. N. & Sahu, K.C. (2011). Studies on Distribution of Calcium and Magnesium in Coastal Waters of Gopalpur, Bay of Bengal. *Nature, Environment and Pollution Technology*, 10(3), 343-350. (Citation: 0, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)

### Professor K.C. Sahu

1. Baliarsingh, S.K., Sahu, K.C., Lotliker, A.A. & Srinivasa Kumar, T. (2015). Spatio-temporal distribution of Chlorophyll-a in relation to physico-chemical parameters in coastal waters of the northwestern Bay of Bengal. *Environmental Monitoring and Assessment (Springer)*, P. 1-14, DOI: 10.1007/s10661-015-4660-x. (Citation: 0, SNIP: 1.236, SJR: 0.648, IF: 1.68, H-Index: 59)
2. Baliarsingh, S.K., Srichandan, S., Pati, S., Sahu, K.C., Lotliker, A.A. & Srinivasa Kumar, T. (2015). Phytoplankton community structure along offshore transects of some Indian estuaries of east coast: An experience with a summer cruise. *Indian Journal of Geo-Marine Science*, 44(5), 1-14. (Citation: 0, SNIP: 0.70, SJR: 0.108, IF: 0.313, H-Index: 12)
3. Sahoo, S., Baliarsingh, S.K., Sahu, K.C. & Lotliker, A.A. (2015). Spatio-Temporal Distribution of Physico-Chemical Parameters and Chlorophyll-a in Chilika Lagoon, East Coast of India. *Indian Journal of Geo-Marine Science*, 44(4), 1-14. (Citation: 0, SNIP: 0.70, SJR: 0.108, IF: 0.313, H-Index: 12)
4. Baliarsingh, S.K., Srichandan, S., Naik, S., Sahu, K.C., Lotliker, A.A. & Srinivasa Kumar, T. (2015). Seasonal variation of phytoplankton community composition in coastal waters off Rushikulya Estuary, East Coast of India. *Indian Journal of Geo-Marine Science*, 44(4), 1-19. (Citation: 0, SNIP: 0.70, SJR: 0.108, IF: 0.313, H-Index: 12)
5. Baliarsingh, S.K., Srichandan, S., Sahu, K.C. & Lotliker, A.A. (2015). Occurrence of a new species of toxic Cnidaria (*Pelagia noctiluca* Forskål, 1775) from estuarine waters of Rushikulya River, Western Bay of Bengal. *Indian Journal of Geo-Marine Science*, 44(4), 519-521. (Citation: 0, SNIP: 0.70, SJR: 0.108, IF: 0.313, H-Index: 12)
6. Baliarsingh, S.K., Srichandan, S., Sahu, K.C. & Lotliker, A.A. (2015). First record of *Desmoscolex falcatus* (Nematoda: Adenophorea: Desmoscolecida: Desmoscolecidae) from Rushikulya estuary, Odisha, India. *Indian Journal of Geo-Marine Science*, 44(4), 519-521. (Citation: 0, SNIP: 0.70, SJR: 0.108, IF: 0.313, H-Index: 12)
7. Baliarsingh, S.K., Srichandan, S., Sahu, K.C., Lotliker, A.A. & Srinivasa Kumar, T. (2015). First record of fourteen phytoplankton species off Rushikulya Estuary, northwestern Bay of

- Bengal. *Indian Journal of Geo-Marine Science*, 44(4), 519-523. (Citation: 0, SNIP: 0.70, SJR: 0.108, IF: 0.313, H-Index: 12)
8. Srichandan, S., Sahu, B.K., Panda, R., Baliarsingh, S.K., Sahu, K.C. & Panigrahy, R.C. (2015). Zooplankton Distribution in Coastal waters of the North-Western Bay of Bengal, off the Rushikulya Estuary, East Coast of India. *Indian Journal of Geo-Marine Science*, 44(4), 519-527. (Citation: 0, SNIP: 0.70, SJR: 0.108, IF: 0.313, H-Index: 12)
  9. Sahoo, S., Baliarsingh, S.K., Lotliker, A.A. & Sahu, K.C. (2014). Imprint of cyclone Phailin on water quality of Chilika lagoon. *Current Science*, 107(9). (Citation: 0, SNIP: 0.771, SJR: 0.293, IF: 0.833, H-Index: 2)
  10. Lotliker A.A., Baliarsingh, S.K., Sahu, K.C. & Srinivasa Kumar, T. (2014). Performance of semi-analytical algorithm and associated inherent optical properties in coastal waters of north western Bay of Bengal. *Journal of Indian Society of Remote Sensing*, 16(16), 779-787. (Citation: 0, SNIP: 0.737, SJR: 0.318, IF: 0.764, H-Index: 12)
  11. Baliarsingh, S.K., Srichandan, S., Sahu, B.K., Sahu, K.C., Lotliker, A.A. & Srinivasa Kumar, T. (2014). Zooplankton community distribution along offshore transects of some Indian estuaries of east coast: A taxonomic investigation during a summer cruise. *Indian Journal of Geo-Marine Science*, 43(9). (Citation: 0, SNIP: 0.70, SJR: 0.108, IF: 0.313, H-Index: 12)
  12. Baliarsingh, S.K., Sahoo, S., Acharya, A., Dalabehera, H.B., Sahu, K.C. & Lotliker, A.A. (2014). Oil Pollution in Chilika Lagoon: An Anthropogenic Threat to Biodiversity. *Current Science*, 106(4), 516-517. (Citation: 0, SNIP: 0.771, SJR: 0.293, IF: 0.833, H-Index: 2)
  13. Baliarsingh, S. K., Srichandan, S., Naik, S., Sahu, K.C., Lotliker, A.A. & Srinivasa Kumar, T. (2013). Distribution of Hydro-Biological Parameters in Coastal Waters off Rushikulya Estuary, East Coast of India: A Premonsoon Case study. *Pakistan Journal of Biological Sciences*, 16(16), 779-787. (Citation: NA, SNIP: 0.531, SJR: 0.311, IF: NA, H-Index: 24)
  14. Baliarsingh, S.K., Sahu, B.K., Srichandan, S., Sahu, K.C., Lotliker, A.A. & Srinivasa Kumar, T. (2013). Seasonal variation of phytoplankton community in Gopalpur creek: a tropical ecosystem, East Coast of India. *Indian Journal of Geo-Marine Science*, 42(5), 622-634. (Citation: 0, SNIP: 0.70, SJR: 0.108, IF: 0.313, H-Index: 12)
  15. Sahu, B.K., Baliarsingh, S.K., Srichandan, S. & Sahu, K.C. (2013). Seasonal variation of zooplankton abundance and composition in Gopalpur creek: A tropical ecosystem, East Coast of India. *Journal of Marine Biological Association of India*, 55(1), 59-64. (Citation: 0, SNIP: NA, SJR: NA, IF: 4.84, H-Index: NA)
  16. Sahu, K.C., Baliarsingh, S.K., Srichandan, S., Lotliker, A.A. & Srinivasa Kumar, T. (2013). *Monograph on Marine Plankton of East Coast of India: A cruise report*. INCOIS (MoES), Hyderabad, Govt of India Publications, 146p. moeseprints.incois.gov.in/551/1/.
  17. Srichandan, S., Baliarsingh, S.K., Panigrahy, R.C. & Sahu, K.C. (2012). A Case Study on Summer Distribution of Zooplankton in Chilika Lagoon, East Coast of India. *International Journal of Life Sciences and Technology*, 5(5), 29- 36. (Citation: 0, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
  18. Baliarsingh, S.K., Sahu, B.K., Srichandan, S. & Sahu, K.C. (2012). Seasonal Variation of Phytoplankton Community in Navigable Channel of Gopalpur Port, East Coast of India: A Taxonomic Study. *International Journal of Modern Botany*, 2(3), 40-46. (Citation: 6, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
  19. Sahu, K.C., Baliarsingh, S.K., Srichandan, S., Lotliker, A.A. & Srinivasa Kumar, T. (2012). Socioeconomic conditions of fisher folk vis-à-vis satellite technology in Coastal District of Ganjam, Odisha. *Review of Research*, 1(IV), 1-6. (Citation: 0, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
  20. Sahu, K.C., Baliarsingh, S.K., Srichandan, S., Lotliker, A.A. & Srinivasa Kumar, T. (2012). Validation of PFZ Advisories A Case Study along Ganjam Coast of Odisha, East

- Coast of India. *Indian Streams Research Journal*, 1(XII), 1-6. (Citation: 0, SNIP: NA, SJR: NA, IF: 3.156, H-Index: NA)
21. Kumar, T.S., Mahendra, R.S., Nayak, S., Radhakrishnan, K., & Sahu, K.C. (2011). Identification of hot spots and well managed areas of Pichavaram mangrove using Landsat and Resourcesat-1 LISS IV: an example of coastal resource conservation along Tamil Nadu Coast, India. *Journal of Coastal Conservation (Springer)*, 16(1), 1 – 12. (Citation: 8, SNIP: 0.839, SJR: 0.436, IF: 0.898, H-Index: 16)
  22. Baliarsingh, S.K., S. Srichandan, S., Barik, K.K., Sahu, K.C. & Lotliker, A.A. (2011). Satellite Retrieved Chlorophyll Distribution in Bay of Bengal-A case study. *Research Journal of Berhampur University*, 1, 220-229. (Citation: 0, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
  23. Padmavati, T., Padhy, S. N. & Sahu, K.C. (2011). Studies on Distribution of Calcium and Magnesium in Coastal Waters of Gopalpur, Bay of Bengal. *Nature, Environment and Pollution Technology*, 10(3), 343-350. (Citation: 0, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
  24. Panda, U.C., Rath, P., Bramha, S. & Sahu, K.C. (2010). Application of Factor Analysis in Geochemical Speciation of Heavy Metals in the Sediments of a Lake System—Chilika (India): A Case Study. *Journal of Coastal Research*. 26(5), 860-868. (Citation: 10, SNIP: 0.469, SJR: 0.476, IF: 0.755, H-Index: 24)
  25. Srinivasa Kumar, T., Mahendra, R.S., Nayak S., Radhakrishnan, K. & Sahu, K.C. (2010). Coastal Vulnerability Assessment for Orissa State, East Coast of India. *Journal of Coastal Research*, 26(3), 523-534. (Citation: 62, SNIP: 0.469, SJR: 0.476, IF: 0.755, H-Index: 24)
  26. Baliarsingh, S.K., Srichandan, S., Padmavati, T., Naik, S. & Sahu, K.C. (2010). Accumulation of heavy metals by freshwater zooplankton - a toxicological study. *IEEE Explore Digital Library*, 7(14), 13-15, DOI: <http://dx.doi.org/10.1109/RSTSCC.2010.5712789>.

### Professor Pratap K. Mohanty

1. Pradhan, U., Mishra, P., Mohanty, P. K., & Behera, B. (2015). Formation, Growth and Variability of Sand Spit at Rushikulya River Mouth, South Odisha Coast, India. *Procedia Engineering*, 116, 963-970. (Citation: 0, SNIP: 0.629, SJR: 0.274, IF: NA, H-Index: 28)
2. Mahala, B. K., Mohanty, P. K., & Nayak, B. K. (2015). Impact of Microphysics Schemes in the Simulation of Cyclone Phailin using WRF Model. *Procedia Engineering*, 116, 655-662. (Citation: 0, SNIP: 0.629, SJR: 0.274, IF: NA, H-Index: 28)
3. Mohanty, P. K., Barik, S. K., Kar, P. K., Behera, B., & Mishra, P. (2015). Impacts of Ports on Shoreline Change along Odisha Coast. *Procedia Engineering*, 116, 647-654. (Citation: 0, SNIP: 0.629, SJR: 0.274, IF: NA, H-Index: 28)
4. Tripathy, W. K., Satpathy, D., & Mohanty, P. K., (2015): Fish landings in Gopalpur coast before and after cyclones. *Journal of Applied Zoological Researches*, 26(1), 101-109. (Citation: NA, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
5. Tripathy, W. K., Satpathy, D., & Mohanty, P. K., (2015): Effects of cyclones on some hydro-biological and meteorological parameters along Gopalpur coast. *Journal of Applied Zoological Researches*, 26(1), 91-99. (Citation: NA, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
6. Mahanty, M. M., Mohanty, P. K., Panda, U. S., Pradhan, S., Samal, R. N., & Rao, V. R. Characterization of tidal and non-tidal variations in the Chilika lagoon on the east coast of India. *International Journal of Scientific & Engineering Research*, 6(4), 564-571. (Citation: 0, SNIP: NA, SJR: NA, IF: 3.2, H-Index: NA)
7. Patra, S. K., Mohanty, P. K., Mishra, P., & Pradhan, U. K. (2015). Estimation and validation of offshore wave characteristics of Bay of Bengal cyclones (2008-2009). *Aquatic Procedia*, 4, 1522-1528. (Citation: 0, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)



8. Patra, S. K., Pradhan, U. K., Mohanty, P. K., & Mishra, P. (2014). Wave height selection criteria for beach hazard rating and its implication along South Orissa, East coast of India. *International Journal of Environmental Sciences*, 5(2), 243. (Citation: 0, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
9. Sahoo, R. K., Mohanty, P. K., & Samal, R. N., (2014). Inlet Hydraulics of Chilika Lagoon. *Indian Journal of Geo-Marine Sciences (IJMS)* (accepted). (Citation: 0, SNIP: 0.70, SJR: 0.108, IF: 0.313, H-Index: 12)
10. Mohanty, P. K., Mahala, B. K., & Nayak, B. K. (2014). Simulation of VSCS Phailin using WRF model. In *Proceedings of International Conference on Emerging trends in Computational and Applied Mathematics (ICCAM-2014)*.
11. Mahala, B. K., Nayak, B. K., & Mohanty, P. K. (2015). Impacts of ENSO and IOD on tropical cyclone activity in the Bay of Bengal. *Natural Hazards*, 75(2), 1105-1125. (Citation: 1, SNIP: 1.193, SJR: 0.767, IF: 1.958, H-Index: 41)
12. Mishra, P., Pradhan, U. K., Panda, U. S., Patra, S. K., RamanaMurthy, M. V., Seth, B., & Mohanty, P. K. (2014). Field measurements and numerical modeling of nearshore processes at an open coast port on the east coast of India. *Indian Journal of Marine Sciences*, 43(7), 7. (Citation: 4 SNIP: 0.70, SJR: 0.108, IF: 0.313, H-Index: 12)
13. Barik, S. K., Mohanty, P. K., Kar, P. K., Behera, B., & Patra, S. K. (2014). Environmental cues for mass nesting of sea turtles. *Ocean & Coastal Management*, 95, 233-240. (Citation: 3, SNIP: 1.146, SJR: 0.745, IF: 1.769, H-Index: 28)
14. Das, P., Mishra, R. K., Bhargava, A. K., Mishra, S., & Mohanty, P.K. (2013). Marine Picophytoplanktons in the World Oceans - a review. *Journal on Ecology, Environment and Conservation*, 19(2), 197-221. (Citation: 0, SNIP: 0.018, SJR: 0.103, IF: NA, H-Index: NA)
15. Panda, U. S., Mohanty, P. K., & Samal, R. N. (2013). Impact of tidal inlet and its geomorphological changes on lagoon environment: A numerical model study. *Estuarine, Coastal and Shelf Science*, 116, 29-40. (Citation: 10, SNIP: 1.144, SJR: 0.927, IF: 2.324, H-Index: 39)
16. Mohanty, P. K., Panda, U. S., & Dash, S K., (2012). Variability in weather and climate of Odisha. In S. Padhy (Ed.), *Climate Change Issues* (pp. 133-144). Centre for Environmental Studies, Govt. of Odisha, Bhubaneswar, India. (Citation: NA, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
17. Mohanty, P. K., Barik, S. K., Kar, P. K., Seth, B., Behera, B., & Mishra, P. (2012). Shoreline change and erosion in the sediment cells of Odisha. In S. Padhy (Ed.), *Coastal Erosion Issues* (pp. 65-73). Centre for Environmental Studies, Govt. of Odisha, Bhubaneswar, India.
18. Mishra, P. & Mohanty, P. K. (2012, February). Shoreline management plan for adjacent beaches of Gopalpur port. In *Proceedings of the Eighth International Conference on Coastal and Port Engineering in Developing Countries (PIANC-COPEDEC VIII)*.
19. Mohanty, P. K., Seth, B., Barik, S. K., Kar, P. K., Behera, B., Pradhan, U. K., ... & Panda, U. S. (2012, February). Beach Morphology and Sediment Characteristics along Orissa coast, east coast of India. In *Proceedings of the Eighth International Conference on Coastal and Port Engineering in Developing Countries (PIANC-COPEDEC VIII)*. (Citation: 0, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
20. Panigrahi, J. K., & Mohanty, P. K. (2012). Effectiveness of the Indian coastal regulation zones provisions for coastal zone management and its evaluation using SWOT analysis. *Ocean & Coastal Management*, 65, 34-50. (Citation: 8, SNIP: 1.146, SJR: 0.745, IF: 1.769, H-Index: 28)
21. Mohanty, P. K., Patra, S. K., Bramha, S., Seth, B., Pradhan, U., Behera, B., & Panda, U. S. (2012). Impact of groins on beach morphology: a case study near Gopalpur Port, east coast of India. *Journal of Coastal Research*, 28(1), 132-142. (Citation: 14, SNIP: 0.469, SJR: 0.476, IF: 0.755, H-Index: 24)

22. Bramha, S. N., Panda, U. C., Rath, P., Mohanty, P. K., & Satpathy, K. K. (2011). Anthropological influence in coastal water and its impact on olive ridley turtle: A case study at Rushikulya mass nesting site. *Journal of Ecology and the Natural Environment*, 3(8), 268-272.  
(Citation: 1, SNIP: NA, SJR: NA, IF: NA, H-Index: 10)
23. Mishra, P., Patra, S. K., Murthy, M. R., Mohanty, P. K., & Panda, U. S. (2011). Interaction of monsoonal wave, current and tide near Gopalpur, east coast of India, and their impact on beach profile: a case study. *Natural hazards*, 59(2), 1145-1159. (Citation: 7, SNIP: 1.193, SJR: 0.767, IF: 1.958, H-Index: 41)
24. Mohanty, P. K., Patra, S. K., Bramha, S. N., Seth, B., Pradhan, U.K., Behera, B., Mishra, P., & Panda U. S (2010). Impact of Coastal Structures On Shoreline Change: A Case Study. In *Proceedings on Joint Indo-Brazil Workshop*.
25. Mishra, P., Patra, S. K., Bramha, S. N., Mohanty, P. K., Panda U. S., Rangarao, V., & Ramanamurty, M. V., (2010). Wave Characteristic and tidal regime off Gopalpur, east coast of India and its implication in coastal erosion. In *Proceedings on Joint Indo-Brazil Workshop*. (Citation: 4, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)
26. Mohanty, P. K., Patra, S. K., Bramha, S. N., Seth, B., Pradhan, U.K., Behera, B., Mishra, P., Panda U. S., & Ramanamurty, M. V., (2010). Shoreline Change near Gopalpur Port, East Coast Of India, In *Proceedings of ninth International Conference on Hydro-Science and Engineering (ICHE 2010)*. (Citation: 0, SNIP: NA, SJR: NA, IF: NA, H-Index: NA)

Department of Mathematics



## BRIEF PROFILE OF THE DEPARTMENT OF MATHEMATICS

1. Name of the Department : **Mathematics**
2. Year of the Establishment : 1972
3. Courses/Programmes and Subject combinations offered : M.A/M.Sc., M.Phil., Ph.D.
4. Number of teaching posts Sanctioned Filled :
  - Sanctioned: 07
  - Filled : 03
5. Number of Technical Staff present : Nil
6. Number of Students (Men/Women) Give Details Course Wise :
 

	M	F	Total
P.G:	31	29	60
M.Phil:	02	01	03
7. Ratio of Teachers to Students : 1:20
8. Ratio of Teachers to Research Scholars : 3:8
9. Number of Teachers Scholars who have obtained their master's degree from other institutions : Nil
10. Number of Teachers in Academic Bodies of other Autonomous Colleges and Universities : 02
11. Latest revision of the curriculum (year) : 2015
12. Number of students passed in NET/SLET etc. (last 5 years) : 02
13. Success Rate of Students : 77%
14. Demand Ratio (No. of applications) : 257
15. Award and recognition received by faculty (last 5 years) : Nil
16. Faculty who have attended National/International Seminars (last 5 years) (numbers only) : National: 24; International: 09
17. Number of National Seminars Organized (last 5 years) : 02
18. Number of Teachers engaged in consultancy and the revenue generated : Nil
19. Number of Ongoing projects and their total Outlay : Nil
20. Research project completed during last five years and their Outlay : Nil
21. Number of inventions and patents : Nil
22. Number of PhD theses guided during the last five years : 13
23. Publication by faculty (last five years) : 123
24. Average citation index and impact factor of publication :
25. Number of Books in Department Library, if any : 2934
26. Number of Journals/Periodicals in the departmental Library : 250
27. Number of Computers in the department : 10
28. Annual Budget (Excluding Salary) in Rupees :
  - Equipment : 1,80,000/-
  - Books and Journals : Rs. 2,16,000/-
  - Other Contingency : 1,000/-
  - Lab. Contingency : 1,000/-

### Evaluative Report of the Department

1. Name of the Department : **Mathematics**
2. Year of establishment : 1972
3. Is the Department part of a School/Faculty of the university? Yes, Faculty of both Science & Technology and Humanities & Social Sciences.
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.): M.Sc/M.A, M.Phil., Ph.D
5. Interdisciplinary programmes and departments involved: No
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : No
7. Details of programmes discontinued, if any, with reasons : No
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Semester system up to 2013-15 Sessions, Semester system with CBCS w.e.f. the academic session 2015-16.
9. Participation of the department in the courses offered by other departments: Department offers regular Mathematics courses for students of Marine Sciences & Geophysics departments.
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate

Professors/Asst. Professors/others): Sanction post at the beginning

Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	Nil	1(CAS)
Associate Professors/Reader	1	Nil	Nil
Asst. Professors/lectures	5	3	2
Others (programmer)			1(NBHM visiting Professor)

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. & M.Phil. students guided for the last 5 years
A.K. Misra (Retd. On 31.10.2013)	M.Sc., Ph.D, D.Sc	Professor	Complex Analysis	31 years	M.Phil.(03) Ph.D.(05) D.Sc(01)*
Niyati Misra	M.Sc., Ph.D	Professor	Integral & Differential Equations	32 years	M.Phil 09+1* =10 Ph.D (02)*
U.K. Misra (Retd. On 31.07.2012)	M.Sc., Ph.D	Reader	Summability Theory	30 years	M.Phil(04) Ph.D.(10) D.Sc.01+02* = 03
P.N. Samanta	M.A, LLB M.Phil., Ph.D	Lecturer	Analysis, Operation Research, Graph Theory.	P.G. 4 years + U.G.	M.Phil.01+03* =04 Ph.D.(04)*
R.N. Patra	M.Sc., Ph.D	Lecturer	Relativity and Cosmology	P.G. 4 years +2 Sc. 19 years	M.Phil.03+ 03* =06 Ph.D. (03)*

\* Students Registered

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: One (From Oct. 2014)  
NBHM Visiting Professor.  
Dr. A. K. Mishra, Retd. Professor
13. Percentage of classes taken by temporary faculty – Nil
14. Programme-wise Student Teacher Ratio: P.G - 56:03  
M.Phil.-08:03  
Pre-Ph.D -05:03
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual : Sanctioned-03, Filled-03.
16. Research thrust areas as recognized by major funding agencies: Analysis and Differential Equations
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. Nil
18. Inter-institutional collaborative projects and associated grants received  
a) National collaboration:                      b) International collaboration:
- University has signed MoU with different National & International Universities / Institutes for collaboration in research studies.
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. NIL
20. Research facility / centre with :  
a. State recognition:  $\checkmark$   
b. National recognition:  $\checkmark$   
c. International recognition:  $\checkmark$
21. Special research laboratories sponsored by / created by industry or corporate bodies : NIL
22. Publications:
- Number of papers published in peer reviewed journals (national / international) : 114
  - Monographs: Nil
  - Chapters in Books : 4
  - Edited Books: 1
  - Books with ISBN with details of publishers: 4
    1. Text Book Beuro (Odisha).
    2. IGNOU
    3. Theory and some Application of Summability Methods, Published by Natalia Nicolaev, Lap Lambert Academic Publishing GMBH 7 Co. KG, Germany, ISBN: 978-3-659-33555-6.
    4. Some Studies on Relativistic Cosmology, ISBN: 978-3-659-33555-6, Lap-Lambert Academic Publishing, Germany.

- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - Citation Index – range /average
  - SNIP
  - SJR
  - Impact Factor – range /average: 0.5-2.5
  - h-index
23. Details of patents and income generated : NIL
24. Areas of consultancy and income generated : NIL
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : Nil
26. Faculty serving in
- a) National committees  
Member, Library funding committee of NBHM for Eastern India region (2010 onwards)  
Prof. A.K. Mishra
  - b) International committees  
Member, funding committee for International congress of mathematicians-2010. Prof. A.K. Mishra
  - c) Editorial Boards
    - i) Member in editorial board Sohag Journal of Mathematics. Prof. A.K. Mishra
    - ii) Executive editor of Bulletin of Pure and Applied Mathematics upto 2012.  
Prof. A.K. Mishra
    - iii) Member in editorial board Bulletin of Pure and Applied Sciences. Dr. U.K. Misra
    - iv) Member in editorial board The Journal of the Indian Academy of Mathematics.  
Dr. U.K. Misra
    - v) Member in editorial board Journal of Intelligent System Research. Dr. U.K. Misra
    - vi) Member in editorial board American Journal of Applied Mathematics and Statistics. Dr. U.K. Misra
    - vii) Member in editorial board Mathematical Journal of Interdisciplinary Sciences, Chitkara University. Dr. U. K. Misra
    - viii) Member in editorial board Journal of Advances in Applied mathematical Analysis. Dr. U. K. Misra
  - d) Any other (please specify)
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs) : Faculty members of the department have delivered lectures in UGC Refresher/orientation courses as resource person and also delivered invited lectures at various workshops and conferences
28. Student projects
- a. Percentage of students who have done in-house projects including inter-departmental projects: 100% at M.Phil.
  - b. Percentage of students doing projects in collaboration with other universities / industry / institute : 25%

29. Awards / recognitions received at the national and international level by
- Faculty: Prof. A.K Mishra, NBHM Visiting Professor 2014.
  - Doctoral / post doctoral fellows :  
Madan Mohan Soren, Doctoral student received second prize for best paper presentation in UGC sponsored National Seminar held at DAV College, Kanpur in Feb. 2011.
  - Students
30. Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any.

Sl. No.	Date	Title of the Seminar/Conference/Workshop	No. of participants
1.	22-23 December, 2010.	National conference on Recent Trend in Mathematical Analysis and Applications (NCR TMAA-2010)	120
2.	20-21 July, 2012	International conference of Analysis and Application (ICAA-2012)	150

31. Code of ethics for research followed by the departments :
- Strict monitoring of plagiarism by using available software.
  - Non repetition of identical ideas in research by any two scholars.
  - Adherence to deadlines in matters of actively considered research papers at the editorial level.
  - Time bound work output such as communication of new research papers at regular intervals.
  - Regular seminar meetings in a small group attended by both senior and junior scholars working in the same area.
  - Scholars worked beyond office hour's with their guide for discussion about their problems.
  - Research scholars remain present in the department during working hours for academic interaction with faculty members.

32. Student profile programme-wise:

Name of the Programme	Year	Applications Received	Selected (Admitted)		Pass percentage	
			Male	Female	Male	Female
M.A/M.Sc (Mathematics)	2010	106	12	12	100%	100%
	2011	93	14	13	100%	100%
	2012	127	17	10	92.30%	100%
	2013	191+11(Late application)	16	12	NA	NA
	2014	227+6(Late application)	15	13	NA	NA
M.Phil. (Mathematics)	2010	34+2(Late application)	Nil	Nil	<b>Pass percentage in Theory</b>	
					-	-
	2011	33	2	2	0%	100%
	2012	22	2	0	0%	-
	2013	23+2(Late application)	01	01	100%	100%

		application)				
	2014	30+3(Late application)	5	3	20%	100%
Pre-Ph.D (Mathematics)	2011	04	04	-	50%	-
	2014	06	05	01	-	-

## 33. Diversity of students

Name of the Programme	Year	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of Students from other countries
M.A/M.Sc (Mathematics)	2010	50%	35.7%	Nil	Nil
	2011	60.7%	35.7%	Nil	Nil
	2012	64.2%	35.7%	Nil	Nil
	2013	53.5%	46.4%	Nil	Nil
	2014	60.7%	39.2%	Nil	Nil
M.Phil. (Mathematics)	2010	-	-	-	-
	2011	Nil	12.5%	12%	Nil
	2012	Nil	25%	Nil	Nil
	2013	12.5%	12.5%	Nil	Nil
	2014	50%	50%	Nil	Nil
Pre-PhD (Mathematics)	2011	75%	25%	Nil	Nil
	2014	66.6%	33.3%	Nil	Nil

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. 02 (NET)

1. Dillip Senapati.
2. Aswini Kumar Raut.

## 35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	43.75%
PG to Ph.D. 2010	7%
2014	7%
2015	7%
Ph.D. to Post-Doctoral (1)	50%
Employed	
• Campus selection	--
• Other than campus recruitment	100 %( approx.)
Entrepreneurs	--

## 36. Diversity of staff

Faculty who are graduates	Percentage
of the same university	80

from other universities within the State	20
from universities from other States	NIL
from universities outside the country	NIL

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: D.Sc -1 Prof. A.K Mishra awarded D.Sc in 2012.

38. Present details of departmental infrastructural facilities with regard to
- Library: Yes No. of Books: 2934 Journals Issues: 250 in department library.
  - Internet facilities for staff and students : Yes
  - Total number of class rooms : 03 Class rooms,01 Seminar hall
  - Students' laboratories : One
  - Research laboratories : NIL

39. List of doctoral, post-doctoral students and Research Associates

- from the host institution/university :
  - Madan Mohan Soren, RGNF(2010)
  - Susanta Kumar Indrajitsingha, DST INSPIRE fellow (2014).
  - Ajit Kumar Sethi, RGNF (2015).
- from other institutions/universities : Nil

40. Number of post graduate students getting financial assistance from the university: 16

**Swami Sivananda Memorial Scholarship**

- 2011 1.B. Debananda, Part-I  
2. Miss Padmini Panigrahi, Part-II  
2012 1.Miss Sangita Sahoo, Part-I  
2. Susanta Kumar Inderajitsingha, Part-II  
2013 1.Satya Ranjan Pradhan, Part-I  
2. Miss Sangita Sahoo, Part-II  
2014 1.Anil Kumar Nayak, Part-I  
2. Satya Ranjan Pradhan, Part-II

**Late Kiranmayee Behera Memorial Scholarship**

- 2011 1.Miss Kasmitta Devi, Part-I  
2. Sudhananda Maharana, Part-II  
2012 1.Miss Renuka Achary, Part-I  
2. Kasmitta Devi, Part-II  
2013 1.Miss Anuragini Patra, Part-I  
2. Kanhu Charan Bisoyi, Part-II  
2014 1.Miss Priyadarshinee Bhol, Part-I  
2. Miss Biplabini Padhi, Part-II

41. Was any need assessment exercise undertaken before the development of new programme(s)?  
If so, highlight the methodology. No

42. Does the department obtain feedback from

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
Opinions of faculties are dicussed in Board of Studies.
- Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?  
Informal discussion with group of students and also during proctorial class. The



- feedback is discussed in staff Council meeting for improvement and remedial measures.
- iii. Alumni and employers on the programmes offered and how does the department utilize the feedback?  
Not-applicable.

43. List the distinguished alumni of the department (maximum 10).

- i. Prof. B.K. Mohanty, Professor & Dean, IIM Lucknow.
- ii. Prof. B.K. Tripathy, Sr. Professor, VIT, Velore.
- iii. Prof. B.C. Tripathy, Professor & Center Head, Institute of Advanced Studies in Science & Technology, Central Computational and Numerical Studies, Guwahati-781035.
- iv. Dr. Madhusudan Panda, Retd. Sr. Manager, ESSAR Comopany.
- v. Dr. Manoranjan Mishra, Asst. Professor, IIT Ropar.
- vi. Dr. Anand Rao, Associate Professor, Andhra University,.
- vii. Dr. Saroj Kumar Panigrahy, Asst. Professor, University of Hyderabad.
- viii. Dr. R.N. Rath, Principal, Khallikote (Auto) College, Berhampur.
- ix. Prof.(Mrs) Sunita Chand, Professor, ITER
- x. AVM (Dr.) Ajit Tyagi, Former Director General, IMD, Delhi.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Date	Topic	Speaker
2010	Tests of Significance	Prof. J. Panda Deptt. Of Commerce Berhampur University
2011	A Paradox of 1695 that is Throwing useful Consequences Today	Prof. R. K. Mishra Deptt. Of Electronic Science Berhampur University
	<b>Concluding Day of Indian Year of Mathematics-2012(dt. 21-22 Dec. 2012)</b>	
21.12.2012 12.00 noon to 1.00 pm	An extension of the Chebyshev Polynomial	Dr. P. Gochhayat Dept. Of Mathematics and Applied Mathematics University of Pretoria South Africa
21.12.2012	Mathematical Modelling of a hydrodynamical instability in a porous media	Dr. Manoranjan Mishra I.I.T. Ropar Punjab
07.03.2013	Tree Enumeration	Dr. P.C. Biswal Asst. Professor Parala Maharaja Engineering College Biju Patnaik University of Technology

05.04.2013	Basic Mathematics	Prof. P. K. Banerji Professor Emeritus, President, All India Mathematical Society, JNV University Jodhpur.
06.04.2013	Fourier Series	Dr. U. K. Misra Professor, Deptt. Of Mathematics NIST.
13.03.2014	Quadratic forms	Prof. S. Patanaik Former Director Institute of Mathematics and Applications Bhubaneswar, Odisha

45. List the teaching methods adopted by the faculty for different programmes:

1. On the black board assessment.
2. Take home assignment.
3. Consultation of Math. Intelligencer, American Mathematical Monthly for new knowledge.
4. Oral test.
5. Acquiring knowledge by lateral reading using digital technology.
6. Emphasis is to given on participative learning instead of spoon feeding to the students.
7. Audio-visual media as well as the internet facilities are extensively used for teaching some important topics of practical significance.
8. The students are encouraged to keep themselves abreast with the recent development in the field of Mathematics.
9. Students are encouraged to have easy access to the professors and have their doubts cleared at any point of time not necessarily in the class room only.
10. A 360 degree feedback system has been introduced.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- i. By conducting Mid-Term Test, Surprise test.
- ii. The professors and students are encouraged to have a 24 hour learning network wherein the students can clarify their doubts as well as the teachers can impart any specific tips or specific references through various non conventional medial like SMS and social medial as well as micro blogging. Presently the facilities of a cloud network are being explored and will be made operational in a short duration
- iii. To monitor the learning system, a 360 degree feedback system has been introduced. Less emphasis is given on routine examination and more emphasis is given on class room learning and continuous evaluation.

47. Highlight the participation of students and faculty in extension activities. :

1. Conduct of Mathematical Olympiad by faculty Dr. P.N Samanta
2. NSS – Students' participation.
3. "Swachha Bharat Avian".

48. Give details of “beyond syllabus scholarly activities” of the department. :

1. Magazines: Wall magazine entitles “Kalana” is edited by the students and displayed in the department on mathematical topics.
2. Student Seminar: Students seminar are conducted regularly slots of two periods are allotted twice in a week in the departmental time table. In most of the seminars students are the speakers. They are encouraged to deliver lecture using ICT facilities. In certain seminars Professors from outside the university are also invited.
3. Students celebrates birth day of eminent Mathematicians by paying homage in the seminar room and discussing their achievements during the research period.
4. The students are encouraged to publish high quality research papers in journals of national and international repute.
5. Students participate in question answer forum in Research Gate. Thereby they distribute their knowledge in international audience.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. : Not applicable.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The department has been appreciated by the students as well as teaching community of Sourthern Odisha as a harbinger of teaching and research in Mathematics.

The department has contributed to Mathematics knowledge universe through high quality research in topics such as :-

- Analysis.
- Differential and Integral Equations.
- Operations Research.
- Relativity & Cosmology.

51. Detail five major Strength, Weakness, Opportunities and Challenges (SWOC) of the department.

#### **Strength**

- Very strong legacy, the department has produced acclaimed teachers and researchers in Pure and Applied Mathematics and they have been an inspiration to the younger generation.
- High quality research by the teachers and alumni of the department.
- A conducive atmosphere for learning in the participative method.
- A 360 degree feedback mechanism.
- Interactive teaching methodology.

#### **Weakness**

- Acute shortage of teaching staff.
- Lack of adequate logistic facility for the departmental library.
- Lack of e-library facility.
- Lack of infrastructure.
- Lack of audio-visual teaching apparatus.

#### **Opportunities**

- The department caters to at least 10 districts, which are mostly tribal dominated. The department aims to guide various colleges in those areas in terms of high quality learning and research.

#### **Challenges**

- Acute shortage of staff puts immense pressure on the existing teaching staff.
- Lack of library facility (Personnel).

52. Future plans of the department.

- The department aims to develop its teaching and research facility to a greater extent so that it will cater to the academic, intellectual as well as vocational needs of the students.
- The department also aims to develop itself to create a wholesome learning experience and upgrade itself to a School of Mathematics and Application.

**RESEARCH PUBLICATIONS (2010-2015)**  
**DEPARTMENT OF MATHEMATICS**

**Dr. Padmanava Samanta**

1. Sahu, R.C., Samanta, P.N. & Behera, B.(2015):“A Comparative Study between Einstein’s Theory and Rosen’s Bimetric Theory through perfect fluid Cosmological Model”,*International Journal of Advanced Research in Physical Science(IJARPS)*,ISSN 2349-7874(Print) & ISSN 2349-7882(Online),Vol-2,Issie-5(May 2015),pp. 24-29 (Impact Factor-2.228).
2. Siva Kota Reddy, P., Samanta, P. & Permi, K.S. (2015): “On Signed Graphs whose Two Path Signed Graphs are Switching Equivalent to their Jump Signed Graphs”,*International J. Math. Combin. Vol.-1(2015)*, pp.71-79.
3. Prashanth, B., samanta, P. & Vijay, S.(2015):“Domination number of Antipodal Graph and Antipodal Middle graph”,*International Journal of Modern Sciences and Engineering Technology*(ISSN: 2349 – 3755),Vol.2,Issue.2( 2015), pp. 60 -63, (Impact Factor-3.094).
4. Misra, M., Majhi, B., Padhy, B.P., Samanta, P.N., & Misra, U.K. (2014):“Approximation of the Fourier series of a function of the class  $W(L^p, \xi(t))$  by product means”, *New Trends in Mathematical Sciences*, (ISSN: 2147-5520) Vol.2, No.3 (2014), 190-198.
5. Misra, M., Padhy, B.P., Palo, P., Samanta, P.N., & Misra, U.K. (2014): “Approximation of the Fourier series of a function of Lipchitz class by product means”, *Journal of Advances in Mathematics*, (ISSN: 2347-1921) (impact factor 1.296), Vol.9, No.4 (2014), 2475-2484.
6. Misra, M., Majhi, B., Padhy, B.P., Samanta, P.N., & Misra, U.K. (2014):“Approximation of conjugate series of the Fourier series of a function of the class  $W(L^p, \xi(t))$  by product mean”, *American Journal of Applied Mathematics and statistics (USA)*, Vol.2, No.5 (2014), pp 352-356, doi: 10.12691/ajams-2-5-9.
7. Misra, M., Das, P.K., Padhy, B.P., Samanta, P.N., & Misra, U.K. (2014) “Degree of Approximation of the Fourier series of a function of Lipchitz class by product mean”, *Frontiers of Mathematics and its Applications, Sciknow Publication Ltd.(New York, USA)* ,Vol-1, No.3 (2014), pp. 52 -58, doi:10.12966/fmia.06.01.2015.
8. Siva Kota Reddy, P., Misra, U.K., & Samanta, P.N.(2013):“The minimal equitable dominating signed graphs.” *Scientia Magna, China*, ISSN1556-6706, Vo-9, No-4(2013), pp.64-70.
9. Samanta, P.N, Mishra, M. & Mishra, U.K. (2013): Theory and some Application of Summability Methods, Published by Lap-Lambert Academic publishing, Germany. ISSN 978-3-659-32768-1.
10. Misra, U.K., Misra, M. & Samanta, P.N.(2011) “The Double Entire Sequences”, *Journal of Analysis and Computation* ,ISSN No. 0973-2861,India.
11. Misra, U.K., Misra, M. & Samanta, P.N.(2011):“Indexed Absolute Banach Summability of a Fourier Series”, *International Journal of Advanced in Science and Technology* ,Vol-III, (2011), ISSN 2229-5216.
12. Misra, U.K., Subramanian, N.,Misra, M. & Samanta, P.N.(2011):“The Semi normed Space defined by Orlicz Space of Entire Sequence”, *International Journal of Research and Reviews in Applied Sciences* ,Vol-II, Issue-3 (2011), ISSN 2076-734 X EISSN 2076-7366 Pakistan.
13. Misra, U.K., Misra, M. & Samanta, P.N.(2011): “ $|N, P_n, \alpha, \delta|$  Summability of an Infinite Series ”, *Journal of Computer and Mathematical Science.( An International Research Journal)* ISSN-0976-5727, Bhopal(India). ,Vol-III, (2011), ISSN 2229-5216.

14. Misra, U.K., Misra, M., & Samanta, P.N. (2010): "A Note on  $[N, P_n]$  Summability Factors", *Reflection des ERA-JMS*, Vol-V, Issue-3 (2010), ISSN 0973-4597, India.

#### Dr. Raghunath Patra

1. Panigrahi, U.K., Patra, R. N., & Sharma, M. (2015): "Higher Dimensional Spherical Symmetric Metric Models in a new Scalar Tensor Theory of Gravitation", *International Journal of Mathematics Research*, Vol. 7(1), pp.1-6, ISSN 0976-5840.
2. Panigrahi, U.K., Patra, R. N., & Sharma, M. (2015): "Five Dimensional String Cosmological Models in Barber's Second Self Creation Theory", *International Journal of Physics and Applications*, Vol.7 (1), pp.31-37, ISSN 0974-3103.
3. Jena, S.N., patra, R.N., & Swain, R.R. (2015): "Spherically Symmetric Inhomogeneous Macro Model Filled with Perfect Fluid", *International Journal of Innovative Science, Engineering & Technology*, Vol. 2(4), pp.421-429, ISSN 2348-7968.
4. Jena, S.N., patra, R.N., & Swain, R.R. (2015): "Anisotropic Radiating Model as a mutual effect of perfect Fluid, Cloud massive String and Magnetic Field in Bimetric Relativity", *International Journal of Mathematics Research*, Vol. 7(1), pp.69-73, ISSN 0976-5840.
5. Jena, S.N., patra, R.N., & Swain, R.R. (2015): "Non-Existence of String Cosmological Models in presence of Magnetic Field in Bimetric Theory", *International Journal of Innovative Science, Engineering & Technology*, Vol.2(6),pp.721-727, ISSN 2348-7968.
6. Panigrahi, U.K., Patra, R. N., & Sharma, M. (2015): "Vacuum Solutions of Five Dimensional Plane Symmetric Metric in  $f(R)$  theory of Gravity", *IOSR-JAP*, Vol.7, pp.5-8.
7. Panigrahi, U.K., Patra, R. N., & Sharma, M. (2014): "Five dimensional spherical symmetric universes in creation field cosmology", *The African Review of Physics*, Vol.9:0036, pp.277-281.
8. Sahu, R.C., Patra, R.N., Behera, B. & Nayak, B.K. (2014): "Non-static plane symmetric magnetized cosmological models in Bimetric theory of Gravitation", *International journal of Science & Technology*, Vol. 2(7), pp.164-170, ISSN: 2321-919X.
9. Sahu, R.C., Patra, R.N., Nayak, B.K. & Behera, B. (2014): "Bianchi type-I string magnetised cosmological model in Bimetric theory", *International journal of mathematical Archive*, Vol.5 (7), pp. 97-103, ISSN: 2227-5046.
10. Panigrahi, U.K., Patra, R. N., & Sharma, M. (2014): "Five Dimensional String Cosmological Models in Lyra Manifold", *International journal of mathematical Archive*, Vol. 5(5), pp.63-68, ISSN 2229-5046.
11. Panigrahi, U.K., Patra, R. N., & Sharma, M. (2014): "Five Dimensional Plane Symmetric Universe in Creation Field Cosmology", *The African Reviewer of Physics*, Vol. 9:0045, pp355-360.
12. Patra, R. N., & Panigrahi, U.K. (2013): "Some studies on Relativistic cosmology", Published by Lap-Lambert Academic publishing, Germany. ISBN:978-3-659-33555-6.
13. Panigrahi, U.K. & Patra, R. N. (2012): "Bianchi type –I Homogeneous cosmological models in Einstein theory and modified theory of General Relativity", *International journal of Physics and Mathematical science*, Vol.2 (1), pp.229-238, ISSN: 2277-2111.
14. Panigrahi, U.K. & Patra, R. N. (2012): "Relativistic Cosmological Mass Model", *International Journal of Mathematical Archive*, Vol. 3(2), pp. 471 -476, ISSN 2229-5046.
15. Patra, R.N. & Sahu, R.C. (2010): "Bianchi-type-I inflationary models in General relativity", *Acta ciencia Indica*, Vol. XXXVIM, No. 1, pp.9-13.

#### Dr. Umakanta Misra (up to 2013)

1. Misra, U.K & Panda, S.P. (2010): "A Theorem on  $|\overline{N}, p_n|_k$  Summability of Infinite Series", *Journal of Computer and Mathematical Sciences*, Vol.1 (2), 103-110.



2. Misra, M., Sahu, S.K. & Misra, U.K (2010):“Inclusion Theorem for Absolute Summabilities”, Journal of Institute of Mathematics and Computer Sciences, Vol.23, No.1, pp 15-19.
3. Subramanian, N. & Misra, U.K. (2010):“The semi normed space defined by a double gai sequence of modulus function”, Fasciculi Mathematici, Issue No. 46.
4. Subramanian, N. & Misra, U.K. (2010):“The Generalized double difference of gai sequence spaces”, Fasciculi Mathematici, No.43, pp 155- 164.
5. Misra, M., Padhy, B.P. & Misra, U.K. (2010):“A Note on Index Summability of an Infinite Series”, Bulletin of Pure and Applied Sciences, Vol24E (No.1) (2010), p.99-106.
6. Misra, M., Misra, U.K and Muduli, M.K.(2010):‘A Note on Index Summability of an Infinite series”, International Journal of Mathematics and Computation, Vol.1, No.8, Issue No.S10
7. Bhaulo, B.,Misra, S. & Misra, U.K.(2010): “An Optimal Ordering Policy for Weibull Deteriorating items with progressive Payment Scheme Under DCF Approach”, Journal Of Computer and Mathematical Sciences, ISSN 0976 – 5727,Vol.1(5),p572-585.
8. Misra, M., Padhy, B.P. & Misra, U.K.(2010):“ On the Local Property of Summability of a Factored fourier Series”,International Journal of Research in applied sciences, ISSN 2076-734X, EISSN 2076 – 7366, Vol. 5, Issue 1,(October 2010), pp 52 – 58.
9. Misra, M., Misra, U.K and Muduli, M.K. (2010): “A Note on Index Summability of an Infinite Series” International journal Mathematics and Computation, ISSN 0974 \_ 570X(on line), 0974 \_ 5718 9(Print), Vol.18, No. S10, September 2010, pp. 45 – 58.
10. Misra, M., Misra, U.K and Muduli, M.K.(2010): “ A Sufficient condition on Indexed product summability Note of an Infinite Series” Bulletin of pure and applied Sciences , Vol.29(E), No.2, (December 2010).
11. Misra, M., Misra, U.K & Khadanga, K.(2010):“On  $|N, p_n|_k$  Summability of a Fourier Series“,Journal Of Computer and Mathematical Sciences,ISSN 0976 \_5727 Vol.1(6), 2010, 758 – 761.
12. Subramanian, N. & Misra, U.K. (2010): “The Matrix Transformation on double sequence Space of  $\chi_\pi^2$  ”, Mathematica Moravica, Vol. 14-1 (2010), 121-127.
13. Misra, U.K., Paikray, S.K. & Sahoo, N.C. (2010):Product Summability of an Infinite Series, Journal of computer and Mathematical Sciences, ISSN 0976 -5727, Vol. 1, No 7 (2010), pp 853 – 864.
14. Misra, M., Padhy, B.P., Misra, U.K. and Buxi , S.K. (2010):“On the local property of  $|N, p_n, \alpha_n|_k$  summability of a factored Fourier Series”, International Journal of Research in applied sciences, ISSN 2076-734X, ISSN 2076 – 7366, Vol. 5, Issue 2,(November) 2010, pp.162 -167.
15. Subramanian, N. & Misra, U.K. (2010):“The matrix transformations on Double sequence space of Chi-square”, Acta Universitatis Apulensis ISSN 1582 – 5329, No.24 (2010), pp 173 -180.
16. Subramanian, N. & Misra, U.K. (2010) “On Double gai difference sequence spaces defined by a sequence of Orlicz function”, General Mathematics, Vol. 18, No. 4 (2010), pp 199 – 211.
17. Misra, S., Raju, L.K., Misra, G. & Misra, U.K (2010):“Optimal order level Inventory model for items with three storage facilities”, Jour. Of Inst. Of Mathematics & Computer Sciences (Mathematics Series), Vol. 23, No.3 (2010) ,pp 103 – 109.
18. Sahu, S.K., Bhaulo, B., Raju, L.K. & Misra, U.K. (2011):An inventory model for Weibull deteriorating items with permissible Delay in payments under inflation,n”,International Journal of Research in applied sciences, ISSN 2076-734X, ISSN 2076 – 7366, Vol. 6, Issue1,(January) 2011.



19. Subramanian, N. & Misra, U.K. (2011): The Semi Orlicz space of  $\Lambda^2$  Matrix Transformation on double sequence Space of  $\chi^2$ , Acta Universitatis Apulensis, ISSN 1582 - 5389, No.25/2011, pp. 249-261.
20. Misra, M., Misra, U.K and Muduli, M.K.(2011): On the local property of  $|N, p_n|_k$  Summability of a factored Fourier Series, "International Mathematical Forum Vol.6 No.15,( 2011), 703 – 711.
21. Misra, M., Muduli, M. & Misra, U.K.(2011):A Note on Index Summabilty Factors of Fourier series, Reflections des ERA Journal of Mathematical Sciences(ISSN 0973-4597 ), Vol.6, Issue 4, 2011, pp 331-338,.
22. Misra, S., Raju, L.K., Misra, G. & Misra, U.K (2011):An Inventory model for deteriorating items with onhand inventory dependent variable type demand rate," International Journal of Mathematics and Computation" ISSN 0974-5718 (print), ISSN 0974-570X (on line),Vol. 12, Number S11 (2011), 39 – 44..
23. Subramanian, N. & Misra, U.K. (2011):"Characterization of Gai sequences via double Orlicz space", Southeast Asian Bulletin of Mathematics (2011) 35: 687-697.
24. Misra, M., Padhy, B.P. & Misra, U.K. (2011):"On Absolute Norlund-Banach Summability of Conjugate series of Fourier series", International eJournal of Mathematics and Enginnering, ISSN 0976 – 1105, 119 (2011), 1099 – 1105.
25. Misra, U. K., Misra, M., Subramanian, N. & Samanta, P.N.(2011):"Semi-normed space defined by Orlicz space of entire sequences", International journal for Review and Research in applied sciences, ISSN 2076 – 7366, Vol 7 June 2011, pp 277-286.
26. Misra, S., Raju, L.K., Misra, G. & Misra, U.K (2011): " A deterministic Inventory model for deteriorating items with on-hand inventory dependent variable type demand rate", International journal for Review and Research in applied sciences, ISSN 2076 – 7366, Vol 7, May 2011, pp 181-184.
27. Misra, U.K., Paikray, S.K. & Sahoo, N.C.(2011):" Absolute Banach Sumabilty of a factored Fourier Series," International journal for Review and Research in applied sciences, ISSN 2076 – 7366, Vol 7, Issue 3, June 2011, pp 266-276.
28. Misra, M., Misra, U.K. & Samanta, P.N.(2011):"  $|N, p_n, \alpha_n; \delta|_k$  summability of an infinite series", Journal of computer and Mathematical Sciences, ISSN 0976 -5727, Vol. 2, No 1 (2011), pp 123 – 128.
29. Misra, S., Barik, S., Paikray, S.K. & Misra, U.K. (2011):"A Deterministic Inventory Model for items with three storage facilities", Journal of computer and Mathematical Sciences, ISSN 0976 -5727, Vol. 2, No 1 (2011), pp 111 – 1168.
30. Subramanian, N., Misra,U.K. & Rakocevic, V(2011):"The Chi-Square Sequence Spaces defined by a Modulus", Kragujevc Journal of Math. Vol. 35, No.1 (2011) pp 25 – 43.
31. Misra, M., Padhy, B.P., Muduli, M. & Misra, U.K.(2011):"On  $(\bar{N}, p_n)(E, q)$  Product summability of Fourier series", International e-journal of Mathematical Sciences, Technology and Humanities, Vol 6(2011), 61-68.
32. M.Misra, B.P.Padhy, Misra, U.K. and M.Muduli (2011): "On  $(\bar{N}, p_n)(E, q)$  Product summability of Fourier series", International e-journal of Mathematical Sciences, Technology and Humanities, Vol 6(2011), 61-68,.
33. S.Misra, M.Mallick, S.K.Paikray & U.K. Misra (2011): "An EOQ model for both ameliorating and deteriorating items under the influence of inflation and time-value money," Journal of Computations and Modeling, ISSN: 1792-7625(Print), 1792-8850(on line), International Scientific Press, Vol.1, no.1,(2011),101 – 113.
34. S.Misra, M.Mallick, S.K.Paikray & U.K. Misra (2011): "Optimal control of an Inventory system for Weibull ameliorating, deteriorating items under the influence of Inflation",

- Bulletin of Pure and Applied Sciences, Volume 30 E (Math & Stat) Issue (No.1) 2011, pp 85 – 94.
35. M.Misra, B.P.Padhy, U. K. Misra and S.K.Buxi (2011): “On indexed product summability of an infinite series”, Journal of Applied mathematics and Bioinformatics, ISSN: 1792 – 6602 (print), 1792 – 6939 (on line), vol. 1 No. 2(2011), pp147-157.
  36. M.Misra, U.K. Misra and P.Samanta (2011): “Indexed Absolute Banach summability of a Fourier series”, International Journal of Advances Science and Technology, ISSN: 2229 – 5216 (print), vol. 3 No. 3(2011), pp131-141.
  37. Subramanian, N. & Misra, U.K (2011): “The generalized difference of double gai sequence spaces defined by a modulus function”, Stud-Univ Babes \_ Bolyai Math. Vol. LV 1 (2011), pp 63 – 73.
  38. M.Misra, B.P.Padhy, U.K Misra and B.Mallik(2011): “On Index Summability Factors Of Fourier Series”, Journal of computer and Mathematical Sciences, ISSN 0976 -5727, Vol. 2, No 5 (2011), pp 699 – 703.
  39. Subramanian, N. & Misra, U.K (2011): “The Chi-Square lamda F-summable sequences of Srrongly Fuzzy Numbers”, TWMS J. Appl. Eng. Math. V, 1, N.1 (2011) pp 98 – 108.
  40. Misra, M., Padhy, B.P., Misra, U.K., and Mallik, B. (2011): “On degree of approximation of conjugate series of Fourier series by product mean”, International Archive of Applied Sciences, ISSN 0976– 4828, Vol-2(2), December (2011), pp 31 – 37.
  41. Subramanian, N. & Misra, U.K (2011): “The Nue-Invariant Chi-Square sequence Spaces”, TWMS J. Appl. Eng. Math. V, 1, N.2 (2011) pp 173 – 184.
  42. Subramanian, N., Misra, U.K, Ayhan Esi and Panda, M.S. (2012): “The generalized semi-normed Difference gai sequences of fuzzy numbers defined by Orlicz function”, to appear in Bol. Soc. Paran. Mat. ISSN- 2175 – 1188 (on line0, ISSN 00378712 in press, Vol. 30, No. 2 (2012), pp 9 – 18.
  43. Misra, M., Padhy, B.P., Misra, U.K.and Buxi, S.K. (2012):“On degree of approximation by product mean  $(E, q)(\overline{N}, p_n)$  of conjugate series of Fourier series”, International Jour. of Math. Sciences, Technology and Humanities ISSN 2249 – 5460, 22 (2012), pp 213 – 220.
  44. Misra, S., Barik, S., Misra, U.K. and Mallick, M. (2012): “An Inventory model with Weibull ameliorating under the Influence of Inflation and Time-Value of Money” Journal of computer and Mathematical Sciences, ISSN 0976 -5727, Vol. 3, No 2 (2012), pp 167 – 176.
  45. Misra, M. , Padhy,B.P. , Misra, U.K.and Buxi, S.K. (2012): “On degree of approximation by product means of conjugate series of Fourier series”, International Jour. of Math. Scie. And Engg. Appls. ISSN 0973 – 9424, Vol 6 No.1 (Jan. 2012), pp 363 – 370 (impact factor: 0.1526).
  46. Misra, M. , Padhy,B.P. , Misra, U.K., and Mallik, B. (2012): “On Product Summability of Conjugate series of a Fourier series”, International Journal of Archieve, Vol 3(1), 2012, pp 1-6.
  47. Misra, S., Raju, L.K., Misra, U.K., and Misra, G.(2012): “ Optimal Control of an Inventory system with variable demand and ameliorating/ deteriorating items ”, Asian Jour. of current Engineering and Maths ISSN No. 2277 - 4920 1:3 May-June (2012), 154 – 157.
  48. Misra, S., Raju, L.K., Misra, U.K., and Misra, G.( 2012): “ A Study of EOQ model with power demand of deteriorating items under the influence of inflation”,Gen. Math. Notes ISSN 2219 – 7184, Vol.10 Issue 1, May 2012, pp41-50.
  49. Misra, M., Padhy, B.P., Misra, U.K., and Muduli, M. (2011): On degree of approximation by product mean  $(E, q)(\overline{N}, p_n)$  of Fourier series”, Gen. Math. Notes ISSN 2219 – 7184, Vol.6, No.2 (2011).

50. Misra, M., Padhy, B.P., Misra, U.K. and Buxi, S.K. (2012): "On product summability of Fourier series", *Asian Jour. of current Engineering and Maths* ISSN No. 2277 - 4920 1:3 May-June (2012), 159 – 161. .
51. Misra, U.K., Paikray, S.K. and Sahoo, N.C. (2012): "Absolute Banach Summability of a Factored Conjugate Series", *Gen. Math. Notes* ISSN 2219 – 7184, Vol.9, No.2 April (2012), pp 19-31.
52. Misra, S., Mishra, G., Barik, S., Misra, U.K. and Paikray, S.: "An Inventory model for Inflation induces Demand and Weibull Deteriorating items".
53. Paikray, S.K., Jati, R.K., Misra, U.K. and Sahoo, N.C. (2012): "A note on  $\left| \overline{N}, p_n^{\alpha_n}; \delta \right|_k$  summability of a series", *Journal of computer and Mathematical Sciences*, ISSN 0976 - 5727, Vol. 3, No.3 (2012), pp 320- 328.
54. Misra, M., Padhy, B.P., Misra, U.K., and Mallik, B. (2012): "On Relation Between two absolute index summability methods", *International Journal of Mathematical Sciences, Technology and Humanities (International eJournal)*, ISSN 2249 -5460, 60 (2012), pp 654 - 660.
55. Misra, M., Padhy, B.P., Misra, U.K., and Mallik, B. (2012): "On degree of approximation of Fourier Series by product mean  $(E, q)A$ ", *International Journal of Mathematics and Computation*, Vol.19, No.2 (2012), pp.34-41.
56. Misra, M., Padhy, B.P., Misra, U.K., and Mallik, B. (2012): "On product summability of Fourier series using Matrix Euler Method", *International Journal of Advances in Engg. Technology*, Vol-3(1), (2012), pp. 191-196.
57. Misra, M., Padhy, B.P., Misra, U.K., and Mallik, B. (2012): "On the local property of  $\left| \overline{N}, p_n, \alpha \right|_k$ -summability of a factored Fourier series", *International Journal of Advance Mathematics and Mathematical Sciences*, Vol-1(1), (2012), pp. 31-36.
58. Misra, S., Mishra, G. & Misra, U.K. (2012): "A study of Inventory Model under Weibull amelioration and constant demand" *International e-Journal of Mathematics and Engineering*, ISSN 0976-1411 191(2012), pp.1830-1838.
59. Raju, L.K., Misra, S., Misra, U.K and Misra, G. (2012): "An Inventory model for Weibull deteriorating items with linear demand pattern", *Journal of computer and Mathematical Sciences*, ISSN 0976 -5727, Vol. 3, No 4 (2012), pp 440 – 445.
60. Misra, M., Padhy, B.P., Misra, U.K. and Panda, N. (2012): "Relation between two absolute Index-summability methods", *International Mathematical Forum*, ISSN 2977 – 2986, Vol.7, No.60 (2012).( impact factor: 0.28).
61. Raju, L.K., Misra, S., Misra, U.K and Misra, G. (2012): "An Inventory model with Quadratic demand pattern and deterioration with shortages under the influence of inflation", *Mathematical Finance letters*, 1 (2012), ISSN 2051 - 2929, No 1, pp 57-67.
62. Misra, M., Padhy, B.P., Misra, U.K. and Panda, N. (2012): "On the local property of  $\left| \overline{N}, p_n, \alpha_n; \delta \right|_k$ -summability of a factored Fourier series", *International journal for Review and Research in applied sciences*, ISSN 2076 – 7366 (2012), pp 561-566.
63. Misra, U.K. & Reddy, P.S.K. (2012): "The Equitable Associate Signed Graphs", *Bull. Int. Math. Virtual Inst.* (ISSN: 1840–4367, Banja Luka, Bosnia and Herzegovina), 3(1), (2012), 15 -20.
64. S.K.Paikray, R.K.Jati, U.K. Misra and N.C.Sahoo (2012): "On degree of approximation by product means of conjugate series of Fourier Series", *Bulletin of Society for Mathematical Services and standards*, ISSN 2277 – 8020, Vol. 1 N0. 4 (2012), pp 12 - 20.
65. Raju, L.K., Misra, S., Misra, U.K and Misra, G. (2012): "An Inventory model for Weibull deteriorating items with linear demand pattern", *Journal of computer and Mathematical Sciences*, ISSN 0976 -5727, Vol. 3, No 4 (2012), pp 440 – 445.

66. Misra, M., Padhy, B.P., Misra, U.K, and Panda, N. (2012): "Approximation of conjugate series of a Fourier series by product summability", *Journal of Ultra Scientist of Physical Science*, ISSN 0970 – 915 (Impact Factor=0.57/2010), Vol. 24(3) A, (2012), 501 – 508.
67. Misra, U.K. & Reddy, P.S.K. (2012): "Common Minimal Equitable Dominating Signed Graphs", *Notes on Number theory And Discrete Mathematics* (ISSN: 1310-5132, Bulgaria), 18(4), (2012), 40 -46.
68. Subramanian, N. & Misra, U.K. (2012): "The Riesz aspects of Chi-square sequence space", *Kragujevac Journal of Mathematics*, ISSN 1450 – 9628, Vol.36, No.2 (2012), 287 - 286.
69. Paikray, S.K., Jati, R.K., Misra, U.K. and Sahoo, N.C. (2012): "On Degree of Approximation of Fourier Series by product mean", *Gen. Math. Notes* ISSN 2219 – 7184, Vol.13, No.2, December, 2012, pp.22-30.
70. Samanta, P.N, Mishra, M. & Mishra, U.K. (2013): *Theory and some Application of Summability Methods*, Published by Lap-Lambert Academic publishing, Germany. ISSN 978-3-659-32768.

### Professor A.K. Mishra

1. Mishra, A.K & Gochhayat, P. (2010): "Invariance of some subclasses of multivalent functions under a differential operator", *Complex Variables and Elliptical Equations*, 55(7), 677-689.(Taylor & Francis).
2. Mishra, A.K & Gochhayat, P. (2010): "Fekete-Szego problem for a class defined by an integral operator", *Kodai Math. J.*, 33(2), 310-328.
3. Srivastava, H.M, Mishra, A.K & Gochhayat, P. (2010): "Certain Subclasses of Analytic and Bi-Univalent Functions", *Appl. Math. Letters*, 23, 1188-1192, (Elsevier)
4. Mishra, A.K & Panigrahi, T. (2011): "Sufficient conditions for class-preserving of the Hohlov operator", *Bulletin Korean Math. Soc.*, 48(1), 51-65, DOI 10.4134/BKMS.2011.48.1.05.
5. Mishra, A.K & Gochhayat, P. (2011): "A coefficient for a subclass of Caratheodory functions defined using Conical domains", *Comput. Math. Appl.*, 61(9), 2816-2820, (Elsevier).
6. Srivastava, H.M, Mishra, A.K & Kund, S.N. (2011): "Coefficient Estimates for the Inverses of Starlike Functions Represented by Symmetric Gap series", *PanAmer. Math. J.*, 21(14), 105-123.
7. Mishra, A.K & Soren, M.M (2012): "A generalization of the Srivastava-Attiya transform and associated classes," *Integral Trans. Spec. Funct.*, 23(11), 831-846. (Taylor & Francis). DOI:10.1080/10652469.2011.643306.
8. Mishra, A.K & Panigrahi, T. (2012): "The Fekete-Szego Problem for a class Defined by the Hohlov Operator", *Acta Univ. Apulensis*, 29, 241-254.
9. Mishra, A.K, Panigrahi, T. & Mishra, R.K. (2013): "Subordination and inclusion theorems for subclasses of meromorphic functions with applications to electromagnetic cloaking", *Mathematical and Computer Modelling*, 57(3-4), 945-962. DOI:10.1016/j.mcm.2012.10.005 (Elsevier).
10. Mishra, A.K, Kund, S.N. (2013): "Second Hankel determinant for a class of analytic functions defined by the Carlson-Shaffer operator", *Tamkang J. Math.* , 44(1) 73-82.
11. Mishra, A.K & Gochhayat, P. (2013): "Differential sandwich theorems for functions associated with a generalization of the Srivastava-Attiya transform", *PanAmer. Math. J.*, 23(1), 25-43.
12. Srivastava, H. M, Mishra, A. K. and S. N. Kund(2013): Certain classes of analytic functions associated with the iterations of the Owa-Srivastava fractional derivative operator, ***Southeast Asian Bull. Math.* 37** 413-435.
13. Mishra, A. K. & Soren, M. M. (2014): Coefficient bounds for bi-starlike analytic functions, ***Bull. Belg. Math. Soc.-Simon Stevin* 21** 157-167.

14. Mishra, A. K. & Soren, M. M. (2014) :Certain subclasses of multivalent meromorphic functions involving iterations of the Cho-Kwon-Srivastava transform and its combinations, To appear in **Asian European J. Math.** Vol. 7, No. 4 1450061 DOI: 10.1142/S17935557114500612 (World Scientific Publishing Company).
15. Mishra, A. K. & Barik, S. (2014): Coefficient bounds for certain subclasses of bi-univalent functions, **Proceedings of the International Conference in Mathematical Sciences-2014**, 17-19, pp. 91-93, Satyabhama University, Tamilnadu (Elsevier).
16. Panigrahi, S., Reza, M. and Mishra, A. K. (2014): MHD effects of mixed convection boundary layer flow of a Powell-Erying fluid past nonlinear stretching surface, To appear in **Applied Math. And Mechanics**, DOI 10.1007/s10483-014-1888-6, October 2014, Shanghai University and Springer link, (English Edition).
17. Mishra, A.K, Kund, S.N. (2014): Certain families of multivalent analytic functions associated with the iterations of the Owa-Srivastava fractional differintegral operator, **J. Complex Analysis**, Volume 2014, Article ID 915385, 9 pages. <http://dx.doi.org/10.1155/2014/915385>.(Hindawi).
18. Mishra, A.K & Panigrahi, T. (2015): New sufficient conditions for starlikeness of certain integral Operator, **Kyungpook Math. J.**, 55 (2015) 109-118. [http:// dx.doi.org/10.5666/KMJ.2015.55.1.109](http://dx.doi.org/10.5666/KMJ.2015.55.1.109).
19. Srivastava, H. M. & Mishra, A. K.: Pick's theorms for dissipative operators, to appear in **Filomat**.
20. Sapna Jain, A. K. Mishra (2015): Decoding of cluster array errors in row cyclic array codes, Accepted for publication in **Tamsui Oxford Journal of Information and Mathematical Sciences**, Manuscript No. TOJIMS 1433.
21. Mishra, A. K. & Barik, S.: Estimation for initial coefficients of bi-univalent lambda-convex functions in the unit disc, Accepted for publication in J. Classical Analysis.
22. Mishra A.K. and others, Elements of Mathematics, Vol.1 and Vol.2 published by Bureau of Text Book Preparation and production, Government of Orissa,(Jointly with a Board of Authors).

### Professor Niyati Misra

1. Misra, N., Rath, R.N. & Mishra, P.P. (2010):“Oscillatory Behaviour of Solutions of a Non-linear delay differential equations of Neutral type”, Orissa Mathematical Society, Vol. No. 26, 45-55.
2. Rath, R.N., Misra, N. & Barik, B.L.S. (2013): “Nonoscillation Criteria for the solutions of higher order functional differential equations of Neutral type-II”, NACET, 62-67.

School of Pharmaceutical Education and Research



## BRIEF PROFILE OF THE SCHOOL OF PHARMACEUTICAL EDUCATION AND RESEARCH

1. Name of the Department	<b>: School of Pharmaceutical Education and Research</b>
2. Year of the Establishment	<b>: 2008</b>
3. Courses/Programmes and Subject combinations offered	<b>: M.Pharma</b>
4. Number of teaching posts Sanctioned Filled	<b>➤ Presently 03 Contractual Lecturers</b>
5. Number of Technical Staff present	<b>: 04</b>
6. Number of Students ( Men / Women) Give Details Course Wise (2015)	<b>➤ 1<sup>st</sup> year men- 20, women-1 ➤ 2<sup>nd</sup> year men- 10, women- 1</b>
7. Ratio of Teacher to Students	<b>: 1:12</b>
8. Ratio of Teachers to Research Scholars	<b>: 1:2</b>
9. Number of Teachers Scholars who have obtained their master's degree from other institutions	<b>: 03 Teachers from other university</b>
10. Number of Teachers in Academic Bodies of other Autonomous Colleges and Universities	<b>: Nil</b>
11. Latest revision of the curriculum ( year)	<b>: No</b>
12. Number of student passed in NET/ SLET etc. ( last 5 years)	<b>NA(For pharmacy GPAT)</b>
13. Success Rate of Students	<b>: 90%</b>
14. Demand Ratio ( No. of application)	<b>: For this year 22:36</b>
15. Awards and recognition received by faculty ( last 5years)	<b>: No</b>
16. Faculty who have attended National/ International Seminars ( last 5 years) (numbers only)	<b>➤ 09</b>
17. Number of National Seminars Organized( Last 5 years)	<b>: 02</b>
18. Number of Teachers engaged in consultancy and the revenue generated	<b>: No</b>
19. Number of Ongoing projects and their total outlay	<b>: Faculty members have submitted projects to different funding agencies.</b>
20. Research project completed during last five years & their Outlay	<b>:No</b>
21. Number of inventions and patents	<b>: Nil</b>
22. Number of Ph. D theses guided during the last five years	<b>: 20</b>
23. Publication by faculty ( last five years)	<b>:24</b>
24. Average citation index and impact factor of publication	<b>:6 &amp; 1.48</b>
25. Number of Books in the Department library, if any	<b>: No</b>
26. Number of Journals / Periodicals in the departmental library	<b>: No</b>
27. Number of Computers in the department	<b>: 16</b>
28. Annual Budget ( Excluding Salary) In Rupees	<b>:4,07,000</b>
➤ Equipment	<b>: 1,57,000</b>
➤ Books and Journals	<b>: 1,00,000</b>
➤ Other contingency	<b>: 50,000</b>
➤ Lab. Contingency	<b>: 1,00,000</b>



### Evaluative Report of the Department

1. Name of the Department : **School of Pharmaceutical Education & Research(SFC)**
2. Year of establishment : 2008
3. Is the Department part of a School/Faculty of the University: Self financing Dept. of the University (Medicine).
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.): M.Pharm. In Pharmaceutics, M.Pharm. In Pharmaceutical Analysis & Quality Assurance, Ph.D in Pharmacy, DSC in Phramcey.
5. Interdisciplinary programmes and departments involved :No
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : No
7. Details of programmes discontinued, if any, with reasons : No
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Semester system.
9. Participation of the department in the courses offered by other departments : Allied Elective courses are introduced under CBCS
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate

Professors/Asst. Professors/others)

Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	NIL	NIL	NIL
Associate Professors	NIL	NIL	NIL
Asst. Professors	03 Contractual	03 Contractual	03 Contractual

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. Students guided for the last 5 years
Dr.Maoranjan Sahu	M.Pharm, Ph.D	Lecturer in Pharmacy	Industrial Pharmacy	09	Guided 48 M.Pharm. Students,
Dr.Suraj Sahoo	M.Pharm, Ph.D	Lecturer in Pharmacy	Pharmaceutical Chemistry	09	Guided 24 M.Pharm. Students
Mrs.Smitapadma Mohanty	M.Pharm.	Lecturer in Pharmacy	Pharmaceutics	07	Guided 23 M.Pharm. Students

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors :No
13. Percentage of classes taken by temporary faculty – programme-wise information :No
14. Programme-wise Student Teacher Ratio : 12:01
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual :No support staff since inception of the course
16. Research thrust areas as recognized by major funding agencies : Industrial Pharmacy
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. NIL
18. Inter-institutional collaborative projects and associated grants received : No
  - a) National collaboration
  - b) International collaboration
 University has signed MoU with different National & International Universities / Institutes for collaboration in research studies.
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. NIL
20. Research facility / centre with :
  - State recognition : √
  - National recognition : √
  - International recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies :NO
22. Publications:
  - Number of papers published in peer reviewed journals (national / international) : 24
  - Monographs : Nil
  - Chapters in Books : Nil
  - Edited Books : Nil
  - Books with ISBN with details of publishers : Nil
  - Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - Citation Index – range / average
  - SNIP
  - SJR
  - Impact Factor – range / average
  - h-index
23. Details of patents and income generated :Nil
24. Areas of consultancy and income generated :Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions/ Industries in India and abroad: Nil
26. Faculty serving in : 2 lecturers are APTI (Association of Pharmaceutical Teachers of India) life members National committees b) International committees c) Editorial Boards d) any other (please specify)

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Dr.Manoranjan Sahu, attended AICTE Sponsored Faculty Development Program  
Computer Aided Drug Design, Bangalore September 2013

28. Student projects

a. percentage of students who have done in-house projects including inter-departmental projects :40%

b. percentage of students doing projects in collaboration with other universities

1. industry / institute :60%

29. Awards / recognitions received at the national and international level by :No

a. Faculty

b. Doctoral / post doctoral fellows

c. Students

30. Seminars/ Conferences/Workshops organized and the source of funding (national/International) with details of outstanding participants, if any. 49th NATIONAL PHARMACY WEEK CELEBRATION – 2010 On 25th November-2010 Organized by: School of Pharmaceutical Education & Research, Indian Association of Pharmaceutical Scientists & Technologists; Association of Pharmaceutical Teachers of India (Orissa St. Br.)

31. Code of ethics for research followed by the departments :YES

32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Pharm (full time) (Ph.Analysis & Q.A Pharmaceutics, Pharm technology)2010	104	35	06	100	100
M.Pharm (full time) (Ph.Analysis & Q.A Pharmaceutics, Pharm technology)2011	26	15	01	100	100
M.Pharm (full time) (Ph.Analysis & Q.A Pharmaceutics, Pharm technology)2012	19(OJEE)+23	33	08	89	100
M.Pharm (full time) (Ph.Analysis & Q.A Pharmaceutics)2013	17	08	01	90	100
M.Pharm (full time) (Ph.Analysis & Q.A Pharmaceutics)2014	38	09	01	85	100
M.Pharm (full time) (Ph.Analysis & Q.A Pharmaceutics)2015	22	20	01	--	--

## 33 Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students From universities outside the State	% of students From other countries
M.Pharm	20	50	30	NIL

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

## 35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	NA
PG to Ph.D.	60
Ph.D. to Post-Doctoral	10
Employed	
• Campus selection	Nil
• Other than campus recruitment	80
Entrepreneurs	Nil

## 36. Diversity of staff

Percentage of faculty who are graduates of the same university	
From other universities within the State from universities	(33%)
From other States from universities outside the country	(66%)

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : Dr.Suraj Sahoo & Dr.Manoranjan Sahu.

## 38. Present details of departmental infrastructural facilities with regard to

- Library (No dept. library only centralized library )
- Internet facilities for staff and students: YES(In computer lab for students & in staff room 1 computer for staff)
- Total number of class rooms : 02
- Class rooms with ICT facility : ICT facilities are being used in the class room.
- Students' laboratories :03
- Research laboratories :

## 39. List of doctoral, post-doctoral students and Research Associates

- from the host institution/university

- Mrs.Smitapadma Mohanty
- Mr.Prasanta ku.Panda
- Ms.Saswati Panigrahy
- Mr.Sanjeeb Kumar Kar
- Mr.Chinmaya Mahapatra

- From other institutions/universities : No data

40. Number of post graduate students getting financial assistance from the university. 5 S.C & S.T students are getting scholarship from the university

41. Was any need assessment exercise undertaken before the development of new programme(s)?  
If so, highlight the methodology. No
42. Does the department obtain feedback from : No (Shortly it will be initiated)
  - i. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
  - ii. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
  - iii. Alumni and employers on the programmes offered and how does the department utilize the feedback?
43. List the distinguished alumni of the department (maximum 10) : Not yet started
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts involving external experts.
  - a. National seminar on “Role of hospital pharmacy in India for effective pharmaceutical care: challenges and road ahead” date 25.09.2012.
  - b. 49th NATIONAL PHARMACY WEEK CELEBRATION – 2010 *On* 25th November-2010 *Organized by:* School of Pharmaceutical Education & Research, Indian Association of Pharmaceutical Scientists & Technologists; Association of Pharmaceutical Teachers of India (Orissa St. Br.)
  - c. Collaborative International Conference on "Innovative Applications of Chemistry in Pharmacology & Technology". IC-IACPT-2015 February 06-08, 2015
45. List the teaching methods adopted by the faculty for different programmes.

Black board teaching  
An introduction to the subject matter before starting the class.  
A small group where students discuss selected topics with member of teaching staff.  
Instrumentation details by video-clips.  
After class question session.  
Power point presentation methods.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? Internal evaluation, quiz, group discussion etc.
47. Highlight the participation of students and faculty in extension activities. Students participated in Swatcha Bhara Abhijan, NSS and blood donation camp. Lecture given by Dr. M.R.Sahu on green chemistry in pharmaceutical in department of chemistry during UGC sponsored national seminar.
48. Give details of “beyond syllabus scholarly activities” of the department.

Paper published by students under faculty guidance:

  - A. Sirisha, entitled as “Osmotic pump: A novel approach to control drug delivery”; in Indo American Journal of Pharm Research, 4(05), 2014, pp 2367-2373.
  - Y. Nirupa Rani entitled as “Development and validation of new analytical methods for the estimation of Carvedilol in bulk and pharmaceutical dosage”; in Asian journal of Pharmaceutical and Clinical Research vol 6, suppl 2, 2013, pp 138-140.
  - Prasanta Sethy, entitled as “Estimation of Rizatriptan benzoate tablet by using UV spectrometric methods”; in Int. J. Pharm. Sci. Rev. Res., 19(2), 2013, pp 97-100.
  - Shalini P., entitled as “Screening of antioxidant activity of Coriandrum sativum”; in Paripex-Indian Journal of Research, vol 3, issue 4, 2013, pp 284-285.
  - Prasanta Sethy, entitled as “Design and evaluation of Cefuroxime axetil floating tablets”; in Indo American Journal of Pharm Research, 3(9), 2013, pp 7462-7469.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. :No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

51. Detail five major Strength, Weakness, Opportunities and Challenges (SWOC) of the department.

**Strength**

- Dedicated faculty
- Equipped laboratories
- Rich Library
- Healthy interaction
- Excellent academic schedule

**Weakness**

- Contractual appointment of the teacher's years together. No enhancement in salary for teachers for the last 4 years.
- Running under Self financing mode since 2008.
- No Director to look after the developmental activity PCI filling & AICTE renewal filling of the dept., Shortage of faculty
- Delay in repair of instruments & infrastructure after cyclone.
- High course fees as compare to other departments.

**Opportunities**

- Pharmaceutical production, formulation development, Q.C, Q.A, regulatory, packaging dept. in industries
- Academic Institutions.
- R&D Institutions & Industry
- Hospital pharmacy
- Pharmaceutical marketing
- Civil services (public commission services)

**Challenges**

- Advanced field knowledge
- Job Opportunity in new field
- Optimization of existing Drugs or drug formulation
- Development of new technologies in research
- Designing new software for drug designing and docking

52. Future plans of the department.

- To become a regular department with state of the art laboratory facilities.
- Obtain PCI & AICTE approval.
- To develop collaboration with reputed institutes / Universities in India and abroad.
- To promote inter-disciplinary research.

**RESEARCH PUBLICATIONS (2010-2015)**  
**SCHOOL OF PHARMACEUTICAL EDUCATION AND RESEARCH**

**Dr. Manoranjan Sahu**

1. Sahu, M.R., Dinda, S.C., (2010) Formulation & development of modified release inlayered tablet, *Journal of Pharmacy Research* 3(4) 794-798.
2. Sahu, M.R., (2010): Formulation of dual component drug delivery of Glimepiride and Metformin hydrochloride for immediate and sustain release. *International Journal of Research in Ayurveda & Pharmacy* 1(2) 624-633. **IF: 2.5781 Citation Index 02 Snip 0.235 Sjr 0.18 H Index 3**
3. Desu, P., Sahu, M.R., (2012) Formulation & Evaluation of Fast dissolving films of Zolmitriptan *International Research Journal of pharmacy* 3(5) 373-376. **IF: 0.751 Citation Index 16**
4. Mahanty, S., Sahu, M.R., Sirisha, A., (2014) Osmotic Pump: A Novel Approach To Control Drug Delivery. *Indo American journal of Pharmaceutical Research* 4(5) 2367-2373. **IF: 2.37**
5. Sahu, M.R., Mahanty, S., Dev, A., (2015) A review on mouth dissolving tablet, *International journal of pharmacy and analytical research* 4 (1) 60-67 **IF: 3.056 Sjr 0.288**

**Dr. Suraj Sahoo**

1. Nayak, B, S., **Sahoo**, S., Dash, J., Sethy, S., Ellaiah, P. (2015). Formulation design and in vitro characterization of clotrimazole dental implant for periodontal diseases. *International journal of pharmaceutics and drug analysis*, 3(2), 68-75.
2. Nayak, B, S., **Sahoo**, S., Sarangi, B.K., Sethy, S., Ellaiah, P. (2015). Evaluation of solanum surattens linn. Mucilage as tablet binder. *World Journal of Pharmacy and Pharmaceutical Sciences*, 4(3), 1370-1385.[**IF:5.21**]
3. **Sahoo**, S., Panda, P. K., Mishra, S. K. (2013). HPLC method development for simultaneous estimation of hydrochlorothiazide, amlodipine besylate and telmisartan in tablet dosage form. *International journal of pharmacy and industrial research*, 3(1), 98-100.[**IF:3.056**]
4. **Sahoo**, S., Panda, P. K., Mishra, S. K. (2013). HPLC method development for estimation of ramelteon in tablet dosage form. *Indian Drugs*, 50(6), 20-23. [**SNIP:0.121, SJR:0.133**]
5. **Sahoo**, S., Panda, P. K., Mishra, S. K., Sahoo, S. (2012). HPLC method development for simultaneous estimation of atovaquone and proguanil in tablet dosage form. *International journal of pharmacy & pharmaceutical sciences*, 4 (3), 195-197.[**IF:0.55**]
6. **Sahoo**, S., Panda, P. K., Mishra, S. K., Sahoo, S. (2012). HPLC method development for simultaneous estimation of hydrochlorothiazide and perindopril in tablet dosage form. *Asian journal of pharmaceutical and clinical research*, 5(2), 136-138.[**CITATION INDEX:6, SNIP:0.786, SJR:0.4, IF:0.74**]
7. **Sahoo**, S., Panda, P. K., Mishra, S. K., Sahoo, S. (2012). HPLC method development for estimation of citicoline and methylcobalamin in tablet. *Asian journal of chemistry*, 25 (1), 581-582.[**SNIP:0.198, SJR:0.153, IF:0.45**]
8. Nayak, B.S., **Sahoo**, S., Sharma, D.K., Ellaiah, P. (2012).Taste Masking Techniques: An Updated Review. *Indian Journal of Novel Drug Delivery*, 4(3), 202-209.



9. **Sahoo, S., Panda, P. K., Mishra, S. K. (2012).** HPLC Method Development for Simultaneous Estimation of Telmisartan and Chlorthalidone in Tablet Dosage Form. *International Journal for Pharmaceutical Research Scholars*. 1(4), 1-5. [IF:0.324]
10. **Sahoo, S., Panda, P. K., Mishra, S. K., Sahoo, S. (2011).** HPLC method development for simultaneous estimation of nizatidine, methyl paraben and propyl paraben in oral solution. *Indian drugs*, 48 (11), 44-47. [SNIP:0.121, SJR:0.133]

#### **Mrs. Smitapadma Mohanty**

1. Mohanty, S., Sahu, M., Dev, A. (2015). A review on mouth dissolving tablets 4(1), 60-67. *International Journal of Pharmacy and Analytical Research*. [IF: 3.056]
2. Mohanty, S., Sahu, M., Sirisha, A. (2014). Osmotic pump: A novel approach to control drug delivery. *Indo American Journal of Pharmaceutical Research*, 4(05), 2367-2373. [IF: 2.37]
3. Mukhi, U., Mohanty, S. (2013). Formulation and evaluation of floating tablets of Cefuroxime axetil, 5(4), 156-161. *International Journal of Pharmacy and Pharmaceutical Sciences*. [SNIP: 0.643, SJR: 0.298, IF: 0.55]
4. Mukhi, U., Mohanty, S., Sethy, P., Mahapatra, S. (2013). Design and evaluation of Cefuroxime axetil floating tablets. *Indo American Journal of Pharmaceutical Research*, 3(9), 7462-7469. [Citation Index: 1, IF: 2.37]
5. Shalini, P., Mohanty, S. (2013). Screening of antioxidant activity of *Coriandrum sativum*, 3(4), 284-285. *Paripex-Indian Journal of Research*. [IF: 3.4163]
6. Sethy, P., Mohanty, S. (2013). Estimation of Rizatriptan benzoate tablets by using UV spectrophotometric methods, 19(2), 97-100. *International Journal of Pharmaceutical Sciences Review and Research*. [SNIP: 0.349, SJR: 0.202, IF: 0.65]
7. Nirupa Rani, Y., Ravi Kumar, B.V.V., Mohanty, S. (2013). Development and validation of new analytical methods for estimation of Carvedilol in bulk and pharmaceutical dosage, 6(2), 138-140. *Asian Journal of Pharmaceutical and Clinical Research*. [Citation Index: 4, SNIP: 0.786, SJR: 0.4, IF: 0.74]
8. Tripathy, S., Mohanty, S., Debasish, P. (2012). **Preliminary Anti-Inflammatory Screening of *Ammania baccifera***, 3(4), 107-112. Retrieved from *International Journal of Pharmacognosy and Phytochemical Research*. [SNIP: 0.376, SJR: 0.3, IF: 1.341]
9. Mohanty, S., Dev, A., Tripathy, S. (2012). Formulation and evaluation of Losartan potassium sustained release tablets, 4(3), 390-392. *International Journal of Pharmacy and Pharmaceutical Sciences*. [Citation Index: 1, SNIP: 0.643, SJR: 0.298, IF: 0.55].

Department of Physics

## BRIEF PROFILE OF THE DEPARTMENT OF PHYSICS

1. Name of the Department : **Physics**
2. Year of the Establishment : 1969
3. Courses/Programmes and Subject Combinations offered. : M.Sc., M.Phil, Pre-Ph.D. course-work, Ph.D.  
Specialisation in M.Sc. - Condensed Matter Physics  
Specialisation in M.Phil. – Particle Physics,  
Nuclear Physics and Condensed Matter Physics.
4. Number of teaching posts Sanctioned/Filled: Sanctioned – 9 ( Prof.- 1, Reader- 3, Lecturer-5 )  
Filled- 05
5. Number of Technical Staff present: Demonstrators- 2 (2010- May- 2015), After June- Nil.  
Laboratory attendant- 02 (till May, 2015), After June- 01, Store-keeper- 01.
6. Number of Students (Men/Women) Course wise:
 

2010- P.G –	M – 10, F- 14	Total	24
M.Phil -	M – 0, F- 01	Total	01
2011 - P.G –	M -11, F- 13	Total	24
M.Phil -	M - 01 F- 01	Total	02
2012 - P.G –	M – 10, F- 14	Total	24
M.Phil -	M - 01 F- 01	Total	02
PhD. Course Work-	M-03		
2013 - P.G –	M – 10, F- 14	Total	24
M.Phil -	M - 01 F- 0	Total	01
2014 - P.G –	M – 14, F- 15	Total	29
M.Phil -	M -0, F- 06	Total	06
7. Ratio of Teacher to Students : P.G. - 1:9; M.Phil – 1:2.
8. Ratio of Teachers to Research Scholars : 1:2
9. Number of Teachers /Scholars who have Obtained their master's degree from other Institutions : 02.
10. Number of Teachers in Academic Bodies of Other Autonomous Colleges and Universities.: 02
11. Latest revision of the Curriculum (Year) : CBCS has been introduced in 2015.
12. Number of students passed in NET/SLET etc. : 09  
(Last 5 Years)
13. Success rate of the Students : 100%
14. Demand Ratio ( No. of applications:available seat ):
 

2010	PG-9:1, M.Phil-3:1
2011	PG-10:1 M.Phil-1:1
2012	PG-14:1 M.Phil-7:1
2013	PG-19:1 M.Phil-3:1
2014	PG-15:1 M.Phil-4:1
2015	PG-13:1 M.Phil-4:1
15. Awards and recognition received by faculty : Prof. R.N.Sahu (Samanta Chandrasekhar Award, 2010)
16. Faculty who have attended National/Inter- ; 36 National / 08 International  
National Seminars (last 5 years) (numbers only)
17. Number of National Seminars Organized : 1(Last 5yr)
18. Number of Teachers engaged in consultancy and the revenue generated. : Nil

19. Number of Ongoing projects and their total  
Outlay : 1
20. Research Project completed during the last 5yrs : 01
21. Number of Inventions and Patents : Nil
22. Number of Ph.D Thesis guided during the last 5  
Years. : Awarded - 03, Submitted- 04.
23. Publication by faculty (Last 5 years ) : 34
24. Average citation Index and Impact Factor of  
publications. : 2
25. Number of Books in the Department library, :1500
26. Number of Journals / Periodicals in the depart-  
mental library. : Some back volumes are available
27. Number of Computers in the Department. : 17
28. Annual Budget ( Excluding Salary ) in rupees:
  - Equipment :
  - Books and Journals : Rs. 2,16000/-
  - Other Contingency :
  - Lab. Contingency :

### Evaluative Report of the Department

1. Name of the Department : **Physics**
2. Year of establishment : **1969**
3. Is the Department part of a School/Faculty of the university? **Yes, Science and Technology.**
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.): **PG, M.Phil; Pre-Ph.D., Ph.D, D.Sc.**
5. Interdisciplinary programmes and departments involved: **No.**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. **Nil.**
7. Details of programmes discontinued, if any, with reasons : **Nil**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System:  
**Semester system, CBCS is introduced in 2015.**
9. Participation of the department in the courses offered by other departments: Allied Elective courses are introduced under CBCS
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Post	Sanctioned	Filled	Actual(including CAS & MPS)
Professor	01	01- up to Aug.2011	04 till 2011, 01 till 2014(retired all)
Associate Professor/Reader	03 (Reader)	01- up to Aug. 2011 01-up to Mar 2014 01- filled in 2012	3 including CAS continuing
Assistant Professor/Lecturer	05(Lecturer)	01-up to July.2011 04	02

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. tudents guided for the last 5 years
Prof. R.C. Nayak (upto Aug. 2011)	Ph.D	Professor	Nuclear Physics	32	<b>Ph.D.-01</b>
Prof. S. Mishra (upto June. 2011)	Ph.D	Professor	Solid state Physics	35	<b>00</b>
Prof. R.Sahu. (upto Aug. 2011)	Ph.D.	Professor	Nuclear Physics	30	Ph.D.-01 M.Phil.-01
Prof.G.S.Tripathi (upto March 2014)	Ph.D.	Professor	Condensed Matter Physics.	30	Ph.D.-04 M.Phil.-05
Dr.Chapala Das.	Ph.D.	Reader	Nuclear Physics	27	Ph.D.-04 M.Phil.-01
Dr.Snigdha Mishra.	Ph.D.	Reader	High Energy Physics	20	Ph.D.-02 M.Phil.-04

Dr.Sidharth S. Panda	Ph.D.	Reader	High Energy Physics	22	Ph.D.-02 M.Phil.-02
Mr.Sasi S. Behera	M.Sc.	Lecturer		03	00
Dr.Salila Das	Ph.D	Lecturer	Condensed Matter Physics	17	M.Phil.- 03

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

- Prof.R. Sahu: Emeritus Professor (2011-2013)
- Prof. G. S. Tripathy-Visiting Faculty (2014-2016)

13. Percentage of classes taken by temporary faculty – programme-wise information:

M.Sc: 28% since 2014

M.Phil:8% since 2014

14. Programme-wise Student Teacher Ratio: M.Sc-9:1 (approx.). M.Phil- 2:1(approx.).

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Support Staff	Sanctioned	Filled	Actual	Present Status
Technical (Demonstrator + lab Attendant + Store keeper )	06	06	06	01 – Demo. (Retd.) -2008 01 – Demo. (Retd.) -31 <sup>st</sup> Jan,2015 01 – Demo. (Will Retd.) – 31 <sup>st</sup> May, 15. 01 – Lab Attd. (Retd.) 30 <sup>th</sup> Apr, 15
Administrative	02	02( 1 Temporary)	02 ( 1 Temporary)	02 ( 1 Temporary)

16. Research thrust areas as recognized by major funding agencies:

1. Nuclear Physics,
2. Condensed matter Physics,
3. High Energy Physics.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

- i. Prof.R.Sahu National(DST): Completed on March, 2011, Rs. 7,74,000,  
Spectroscopic... region
- ii. Prof.R.Sahu & Dr. S. Mishra National(DST): Ongoing, Rs14,52,000  
Title: Theoretical study of double Beta decay

18. Inter-institutional collaborative projects and associated grants received

- a) National collaboration: Nil
- b) International collaboration: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. :

Departmental Project: DST-FIST

Years for utilisation – 2003-2008

Sanctioned amount – Rs. 2800000/- (Twenty Eight Lakhs approx. )

Amount Utilised – Rs. 2500000/- (Twenty Five lakhs approx.)

20. Research facility / Centre with :

- State recognition:√
- National recognition:√
- International recognition:√

21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil

22. Publications: (2010-2015)

- Number of papers published in peer reviewed journals (national / international): 27
- Monographs: Nil
- Chapters in Book:
- Edited Books: Nil
- Books with ISBN with details of publishers: 02
  - 1: INM Model of Atomic Nuclei, Lambert Academic Publisher, Germany, ISBN No: 978-3-659-30391-3
  - 2: Nuclear matter and Neutron Star ISBN: 978-81-923567-6-1 LakhmiPrakashans, SaheedNagar, Bhubaneswar-7
- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Science Directory, EBSCO host, etc.) : Nil
- Citation Index – range / average : Most of the papers are cited Internationally
- SNIP
- SJR: (range 0.4-11)
- Impact Factor – range / average Range (0.927-7.2)
- h-index: Range (3-9)

23. Details of patents and income generated: Nil.

24. Areas of consultancy and income generated: Nil.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / Industries in India and abroad:

Prof. R. Sahu visited Physical Research Laboratory, Ahmedabad ten times in the last five years for scientific collaboration.

26. Faculty serving in

National committees b) International committees c) Editorial Boards d) any

**Prof. G.S. Tripathi**

- Editor of Editorial Boards of “Anusandhan”, Berhampur University Journal.
- Reviewed a book proposal on Condensed Matter Physics, submitted to Elsevier Publishing, USA (2010), Biographical inclusion in Marquis Who’s who reviewed a book proposal on Magnetism, submitted to Elsevier Publishing, USA (2012)
- Served as a referee for Indian Physics Journal

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).: (2010-15)

Teachers	Orientation Course	Refresher Course/SERC School	University	Time
Dr.Snigdha Mishra		Refresher Course	Sambalpur University	Dec. 13 – Jan 02, 2011.
Dr. Sidharth S. Panda.		Faculty development programme	Puri, sponsored by DST.	Jan. 08 to Jan.19, 2013.



Dr.Salila Dash	Orientation Course		Sambalpur University	22.02.13 to 23.02.13
Mr. Sashi Sekhar Behera	Orientation Course		Sambalpur University	16.8.13 to 06.09.13

## 28. Student projects

Percentage of students who have done in-house projects including interdepartmental projects: 100% M.Phil. Students as a part of their course.

Percentage of students doing projects in collaboration with other universities

Industry / institute: 5% (P.G. Summer Programme).

## 29. Awards / recognitions received at the national and international level by

a. Faculty: 01 (State level Award: Samanta Chandra Sekhar Award).

Doctoral / post doctoral fellows: Nil

b. Students: Nil.

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national/International) with details of outstanding participants, if any.: 01(only)

Name of the seminar: **Recent advances in Physics**

Date: 5<sup>th</sup> and 6<sup>th</sup> May, 2014

Funding Agency: UGC

Collaborator: Institute of physics, Bhubaneswar.

Details of Outstanding participant:

List of Outstanding Participants

- a) PROF. SUDHAKAR PANDA - Director – Institute of Physics, Bhubaneswar.
- b) PROF. V.K.B. KOTTA – Professor in Physics, Physical Research Laboratory, Ahamadabad.
- c) PROF. Y.SUDHAKAR- Professor in Physics, Saha institute of nuclear Physics, Kolkata.
- d) Dr. JAJATI NAYAK, Asst Professor, Variable Energy Cyclotron Centre, Kolkata
- e) PROF. PRADEEP KUMAR MOHANTY, Professor in Physics, Saha institute of nuclear Physics, Kolkata.
- f) PROF. S.K. PATRO ,Associate Professor, Institute of Physics, Bhubaneswar
- g) Dr. T. SOM, Asst. Professor, Institute of Physics, Bhubaneswar
- h) PROF. S.N. JENA(BU) Professor in Physics, Berhampur University, Berhampur
- i) PROF. R. SAHU(BU) Professor in Physics, Berhampur University, Berhampur
- j) PROF. G.S. TRIPATHI(BU) Professor in Physics, Berhampur University, Berhampur
- k) PROF. ANJANA GIRI, Professor in Physics, IIT, HYDERABAD
- l) PROF. RUKMINI MAHANTA, Professor in Physics, Central University, HYDERABAD
- m) PROF. HRUSHIKESH SAHU, Eminent Scientist , Kalpakam
- n) Dr. BHOLANATH PADHY , Former Reader in Physics, Khalikote Autonomous College, Berhampur
- o) Dr. KUMUDA TRIPATY, Former Reader in Physics, , Phulbani college, Phulbani
- p) PROF. S.K.KAMILLA, ITER, Bhubaneswar.
- q) PROF. RANJITA MOHAPATRA, ITER, Bhubaneswar.
- r) PROF. NIHAR MOHAPATRA, ITER, Bhubaneswar.
- s) DR. DILIP Mishra, ITER, Bhubaneswar.
- t) Mr. HIMANSHU BHUSAN NANDA, Asst. Prof, SIT, Bhubaneswar.,
- u) Dr. BIPIN BIHARI TRIPATHY, Asst. Prof., SIT, Bhubaneswar.,
- v) PROF. SUKANT TRIPATHY, Professor in Physics, NIST, Berhampur.

**Total no of participants 146.**

## 31. Code of ethics for research followed by the departments: Is being developed.

## 32. Student profile programme-wise:

Year	Name of the Programme	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
2010	P.G.	217	10	14	00	100
	M.Phil.	24	00	01	NA	100
2011	P.G.	248	11	13	53	90
	M.Phil.	09	01	01	00	100
2012	P.G.	336	10	14	100	100
	M.Phil.	15	01	01	100	100
	Ph.D. course work		03	Nil	66.7	Nil
2013	P.G.	460	10	14	88	70
	M.Phil.	20	0	06	100	00
	Ph.D. course work				33.3	
2014	P.G.	459	14	15	100	92
	M.Phil.	28	Nil	06	100	100
	Ph.D. course work		01			
2015	P.G.	513			Result not declared.	
	M.Phil.	28	03	02		
	Ph.D. course work					

## 33. Diversity of Students:

Year	Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2010	P.G	85	15	Nil	Nil
	M.Phil	100	Nil	Nil	Nil
	Doctoral	90	10	Nil	Nil
2011	P.G	87.5	12.5	Nil	Nil
	M.Phil	100	Nil	Nil	Nil
	Doctoral	90	10	Nil	Nil
2012	P.G	75	25	Nil	Nil
	M.Phil	100	Nil	Nil	Nil
	Doctoral	92	08	Nil	Nil
2013	P.G	79	21	Nil	Nil
	M.Phil	100	Nil	Nil	Nil
	Doctoral	88	12	Nil	Nil
2014	P.G	65	35	Nil	Nil
	M.Phil	100	Nil	Nil	Nil
	Doctoral	100	Nil	Nil	Nil
2015	P.G	73	27	Nil	Nil
	M.Phil	100	Nil		

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Year	Name of the Student	Achievement (Mention Rank, Medal and Examination)
2012	Binayak Sahu	Inspired fellow continuing for Ph.D degree at NIT, Rourkela
	Martonda Rath	GATE Qualified, continuing for Ph.D degree at IIT, Madras
	Sidheswar Behera	CSIR-LS and NET qualified,
2013	Chandini Das	Inspired fellow.
	Atal bihari Swain	CSIR-LS(NET) and JRF qualified, continuing for Ph.D at IIT, Madras
	Himansu Bhusan Nanda	CSIR-LS(NET) Qualified, Working as Asst. Prof, Silicon Institute of Technology
	Sidheswar Behera	Working as Asst. Prof, VSSUT, Burla
2014	Anil kumar Swain	Applied for Inspired fellowship
	Krushna Hial	1.CSIR-LS 2.GATE qualified, continuing for Ph.D at IIT, Kharagpur
	Binayak Sahu	1.CSIR-LS 2.GATE qualified, continuing for Ph.D at NIT, Rourkela
	Manaswinee Pattnaik	GATE qualified, continuing M.Phil at Berhampur Univ
	S. Nilanchal Patra	JRF, continuing for Ph.D degree at, IISC Bangalore
	Nilakantha Tripathy	JRF, continuing for Ph.D degree at NIT, Rourkela
	BVRS Subramanyam	JRF, continuing for Ph.D degree at NIT, Rourkela.
2014	Binayak Sahu, Manaswinee Pattnaik, Tapaswini Pattnaik, Atal Bihari Swain,	Qualified in OPSC, Odisha for Lectureship.
	Dr. Sunanda Patri,	Joined as Reader at VSSU of Technology, Burla.
2015	E Resma Patro	Qualified CSIR-LS and JRF, joined as a Ph.D. scholar in IIT, Bhubaneswar.
	Deepak Swain	Qualified GATE
	S. Nilanchal Patra	Qualified GATE, joined as a Ph.D. scholar in IISC, Bangalore.
2010-15	Other Students	40% of the students have qualified Competitive Examinations in the area like Defence, SSC, Banks & State govt. Jobs.

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	10%
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	Nil

Employed	
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	<p style="text-align: center;">Nil</p> <p style="text-align: center;">90%</p>
Entrepreneurs	5%

36. Diversity of staff

<b>Percentage of faculty who are Post graduates</b>	
Of the same university	: 60%
From other universities within the State	: 40%
From universities from other States	: Nil
From universities outside the country	: Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period :Nil

38. Present details of departmental infrastructural facilities with regard to

- a) Library : Seminar Library 1500 books
- b) Internet facilities for staff and students : yes
- c) Total number of class rooms : 03
- d) Class rooms with ICT facility : Nil
- e) Students' laboratories : 04
- f) Research laboratories : Nil

39. List of doctoral, post-doctoral students and Research Associates

a. From the host institution/university :

<b>Prof. R Sahu</b>		
Sl. No.	Name of Students awarded/submitted/working for Ph. D./D.Sc.	Title of the Thesis
1	A. G. Deb(working for Ph.D)	Giant..nuclei
<b>Prof. G.S Tripathi</b>		
1	Kalachand Dash (awarded)	Topic :Theory of electronic and magnetic properties of diluted magnetic semiconductors
2	Srinibas Mohapatro (awarded)	Topic: Theoretical study of some electronic, optical and magnetic properties of solids
3	Subrat Kumar Shadangi (working)	Theory of electronic and magnetic properties of ZnO without and with magnetic impurities using k.p method
4	Sashi Sekhar Behera (working)	Theoretical study of electronic and magnetic properties of diluted magnetic telluride
5	Dr. Prabir Kumar Mukherjee ( working for D.Sc.)	Structural Phase Transitions among the Rotator Phases of Normal Alkanes
<b>Dr. Chapala Das</b>		
1	Anjana Mishra	Study of some aspects of Supernova matter

2	Mrs Pramila Panda	Study of some aspects of hot neutron star matter and neutron star.
3	Ms madhulita Sundray	Studies on computer generated holograms for applicatios in fiber optics.
4.	Mr. Himansu Bhusan Nanda	Study of some aspects of Nuclear Structure in the medium heavy uclei using deformed shell model.
<b>Dr. Snigdha Mishra</b>		
1	Sarita Mohanty	Phenomenological model building in higher dimensional unified theory
2	Rinmayi Praharaj	Surface Modified Titan and its Alloys for Bioimplant Applications
3	Chandini Dash	Spontaneous compactification effect in Grand unification models
<b>Dr. Sidhartha Sankar Panda</b>		
1	Sri Lingaraj Sahu : Title:	Studies on holograting as connector and multiplexor for optoelectronic devices
2	Smt.D.Mishra	Studies On Optoelectronic Manipulation Of Spin In Photonic Devices.

## b. From other institutions/universities

- I. Doctorial students : Nil
- II. Post Doctorial Students : 01
- III. Research Associates : Nil

40. Number of post graduate students getting financial assistance from the university. Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)?

If so, highlight the methodology : No

42. Does the department obtain feedback from:

- i. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? : Yes,

Each faculty submit self-appraisal report on his/her curricular activities as well as teaching learning process once in a year. The appraisal report is scrutinized by corresponding reporting authority. Then the accepting authority advises the teacher on their performance whenever it is necessary.

- ii. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? : Yes,
  1. Considering the feedback from students a new paper (Electronic) has been introduced.
  2. The student feedback received through informal discussion and proctorial classes is considered in staff council meeting for improvement.
- iii. Alumni and employers on the programmes offered and how does the department utilize the feedback? Yes

Feedback is considered in board of studies in Physics to improve the syllabus.

43. List the distinguished alumni of the department (maximum 10) :

1. Prof. H. K. Sahu , Eminent Scientist, Bhabha Atomic Research Center, Trombay.
2. Prof. G.S Tripathi, Eminent Physicist ( Samanta Chandrasekhar Awardee )
3. Prof. R.N. Sahu, Eminent Physicist ( Samanta Chandrasekhar Awardee )
4. Prof. Arun Pati, Eminent Scientist, Harischandra Institute, Allahbad.
5. Dr. Prasanta Tripathy, Associate Professor IIT, Chennai.
6. Prof. Simadri Mishra, Former Dean, OUAT, Bhubaneswar.
7. Prof. Prasanta Mahapatra, Pro V.C, West Bangal University of Technology.

8. Dr. Pradeep Mohanty, Eminent Scientist, SAHA Institute of Nuclear Physics.
9. Dr. Kailas Chandra Sahu, Scientist, NASA
10. Dr. Ajit Mahapatra, Asst. Prof. Delhi University.

44. Give details of student enrichment programmes (special lectures/workshops/seminar) involving external experts:

- Student Seminars are conducted every week.
- National Science Day is observed every year on 28<sup>th</sup> February.
- Seminars by our faculty and from other institutes.
- Visiting Fellow Prof. H. Mishra was invited from PRL Ahmedabad.
- Former professors of this University are taking Mock Interviews for the students.

Sl. No.	Date	Details of Invited Lectures	No. of participants
1.	26.11.2010	Name: Dr. J.C. mohanty, Ravenshaw university, Cuttack Topic: Graphene-Physics Noble prize-2010	28
2	19.12.2011 27.12.2011	1.Name: Prof. M.P.Das, Canberra, Australia Topic: Superconductivity-Centenary year of Discovery 2.Name: Prof Somdev Tyagi, Philadelphia, USA Topic: High T <sub>c</sub> Superconductor Name: Prof. R.S Kaoshal, Delhi University Topic: Non liner dynamics in human behaviour	30 32
3.	24.7.14	Name: Dr. R.C. Mullik, IISc, Bangalore, Karnatak Topic: Thermo-electric material and its application.	
4.	27.4.15	Name: Prof. H.Mishra, P.R.L. Ahemadabad. Topic: Matter under extreme conditions.	45

45. List the teaching methods adopted by the faculty for different programmes:

- Traditional Teaching Methods with black board.
- Lecture notes on some important topics are provided by the faculty through e-mail.
- Sometimes students are encouraged to access the online classes in the internet on some particular topics.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

1. Through home-assignments, surprise tests and mid-term examinations.
2. On the basis of performance in NET & GATE.

47. Highlight the participation of students and faculty in extension activities:

- i. Swachha Bharat Abhiyan.
- ii. Planting trees in front of the department.
- iii. Students participate in different competitions like debate (English and Odia), song, cricket etc.
- iv. Faculties are assigned different administrative responsibilities, like members of : Residential, Admission, Discipline and Research committees, Zonal supervisor, Tabulator and Scrutinizer, Sports Council, etc.

48. Give details of “beyond syllabus scholarly activities” of the department. :

1. Conducting students’ seminar every week and having invited talks.
2. Discussion through Proctorial classes.
3. Observing National Science day every year through popular Lectures.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: No.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: Quality research in different thrust areas is ensured through publications in international journals; a) Condensed Matter Physics: Theory of diluted magnetic semiconductors and light induced magnetism, b) Nuclear Physics: Deformed Shell Model has been developed and is used to study the Spectroscopic properties, double-beta decay,  $\mu$ -e conversion, inelastic electron-nucleus scattering of medium and heavy nuclei. Infinite Nuclear Matter Model of Atomic Nuclei and models for nuclear equation of states and Supernova Explosions has been proposed, c) High Energy Physics: Higher Dimensional Grand-Unification models have been proposed for estimation of Neutrino Mass, Explanation of Matter-antimatter asymmetry of the universe. Models have been developed to study Leptonic and semi-leptonic decay width and Hadronic decay of D-mesons and B-mesons.

51. Detail five major Strength, Weakness, Opportunities and Challenges (SWOC) of the department:

**Strength**

- Research collaboration with faculty from other Research institutes.
- Active cooperation of Alumni for the development of the department.
- Involvement of Teachers in solving the problems of the department.
- Voluntary teaching by superannuated teachers of the department.

**Weakness**

- Absence of good internet facility.
- Shortage of teaching staffs leading to heavy workload on existing staffs.
- Lack of teaching staffs with experimental expertise.
- Lack of Smart Class room.

**Opportunities**

- Courses of Studies are tailor made so as to enable the students to compete NET, GATE & Other Competitive examinations.
- Conducting of student seminar regularly enhances the moral courage of the students.

**Challenges**

- To produce quality students globally.
- To ensure smooth running of the department.
- To lead the department to the No.1 rank.

52. Future plans of the department.

- To set up Electronics Laboratory.
- To set up new Experiments using Existing facilities (Vacuum Coating Unit)
- To prepare an experimental team on Nuclear Physics experiment using Ion beam facility at Inter University Accelerator Center, Delhi.



**RESEARCH PUBLICATIONS (2010-2015)**  
**DEPARTMENT OF PHYSICS**

**Professor R.Sahu**

1. Deformed shell model results for two-neutrino positron double beta decay of  $^{84}\text{Sr}$ , R. Sahu and V.K.B. Kota, International Journal of Modern Physics E 20,1723 (2011)
2. Deformed shell model results for two-neutrino double beta decay of  $^{82}\text{Se}$  R. Sahu, P.C. Srivastava and V.K.B. Kota Canadian Journal of Physics 89, 1101 (2011)
3. Deformed shell model results for neutrinoless positron double beta decay of nuclei in the,  $A = 60-90$  region. R. Sahu, P.C. Srivastava and V.K.B. Kota, Journal of Physics G 40, 095107 (2013)
4. Shell model and deformed shell model spectroscopy of  $^{62}\text{Ga}$ , P.C. Srivastava, R. Sahu and V.K.B. Kota, Eur. Phys. J. A (2015) 51: 3
5. Deformed shell model results for neutrinoless double beta decay of nuclei in  $A=60-90$  region, R. Sahu and V.K.B. Kota, International Journal of Modern Physics E 24, 1550022 (2015)

IMPACT Factor-Range/average	1.7 -3.2
H Index(till 2015)	09

**Profesor R. C. Nayak**

1. Generalized Hugenholtz-Van Hove Theorem for Multi-Component Fermi Systems Systems with Multi-body Forces”, R. C. Nayak and S. Pattnaik, Int. Jou. of Mod. Phys. E 20(2011)2203.
2. Mass predictions in the INM model”, R. C. Nayak and L. Satpathy, Atom. Data and Nucl. Data Tables 98 (2012)616-719.
3. INM Model of Atomic Nuclei, Lambert Academic Publisher, Germany, and ISBN No: 978-3-659-30391-3, R. C. Nayak (2012).
4. A differential equation for the transition probability  $B(E2)$  and the resulting recursion relations connecting even-even nuclei”, S. Pattnaik and R. C. Nayak, Int. Jou. of Mod. Phys. E 23(2014)1450022.
5.  $B(E2)$  ( $0+1! 2+1$ ) predictions for even-even nuclei in the differential equation model”, R. C. Nayak and S. Pattnaik, Int. Jou. Of Mod. Phys. E 24(2015)1550011.
6. Generalization of the differential equation model for both  $B(E2)$  and the excitation Energy  $E$  (g.s.  $2+$  of even-even nuclei, and its application to the study of the  $B(E2)$  problem in  $^{46}\text{Ar}$ ”, R. C. Nayak and S. Pattnaik, Phys. Rev. C 90 24(2014)057301.

IMPACT Factor-Range/average	1.7 – 4
H Index(till 2015)	09

**Professor G.S.Tripathy**

1. Theory of k.  $\pi$ +U formalism for diluted magnetic semiconductors: Application to p-type  $\text{Sn}_{1-x}\text{Gd}_x\text{Te}$ . G. S. Tripathi, K. Dash, S. N. Behera, S. K. Nayak, and P. Entel, *J. Appl. Phys.* 113(2013)103902;
2. Theory of magnetization of p-type  $\text{Sn}_{1-x}\text{Gd}_x\text{Te}$  : Contributions from local moments, lattice diamagnetism and carriers, K. Dash and G. S. Tripathi, *Journal of Magnetism and Magnetic Materials* 324 (2012) 602–609
3. Diluted magnetic tin telluride: Study by an extended k.  $\pi$  method, G. S. Tripathi, K. Dash, S. K. Nayak, S. N. Behera, and P. Entel, *AIP Conf. Proc.* 1461 (2012) 64;
4. Electronic structure and some related properties of InSb using a k.p.i method and Green's function technique, R. K. Das and G. S. Tripathi, *J. Phys. Chem. Solids* 72 (2011) 1265–1272
5. Many-body theory of magnetization of Bloch electrons in the presence of spinorbit Interactions, G. S. Tripathi and P. K. Misra, *J. Magnetism and Magnetic Materials*, 322(2010)88, Cited in “ Physics of Condensed Matter” by Prasanta K. Misra, Academic Press, USA, 2011

IMPACT Factor-Range/average	1-3
H Index till 2015	09

**Dr. Chapala Das**

1. C.Das, S. Mishra and H. nanda ”Effect of temperature on saturation density in asymmetry nuclear matter” ( Accepted for publication in Proceedings of the DAE Symp. on Nucl. Phys., Vol – 60, (2015), Sri Sai Institute of Higher learning Prasanti Nilayam, Andhra Pradesh) ISBN:818372034-X.
2. Isoentropic Equation of state of supernova matter, C.Das, P.Panda and S. Mishra, , *Int. jour. Mod. Phys.* D1350078, (2013).
3. C.Das, S. Mishra and P.Panda “Single particle potential in asymmetric nuclear matter” in Proceedings of the DAE Symp. on Nucl. Phys., Vol – 57, (2012), (Delhi University). ISBN:818372034-X.
4. Nuclear matter and Neutron Star ISBN: 978-81-923567-6-1, LakhmiPrakashans, SaheedNagar, Bhubaneswar.Chapala Das (2012).
5. C.Das, P.Panda, S. Mishra and . Mishra “Isentropic Equation of State of Supernova Matter” in Proceedings of the DAE Symp. on Nucl. Phys., Vol – 56, Page – 726, (2011), (Andhra University). ISBN:818372034-X.
6. Role of distribution function on characteristic properties of supernova matter, C.Das, A.Mishra, S. Mishra and P. Panda, *Int. jour. Mod. Phys.* D596-(2010).
7. Bulk Properties of Supernova Matter” C.Das, P.Panda, A. Mishra and S. Mishra, *Journal of Science (Anusandhan) Berhampur University* Vols –XVII (2010) Pages: 99 – 106.
8. C.Das, S.Mishra, P.Panda and A. Mishra “Thermal effect on Pressure Generation of Constituent particles in Asymmetric Nuclear Matter” in Proceedings of the DAE Symp. on Nucl. Phys., Vol – 55, Page – 462,(2010), (BITS, Pilani). ISBN:818372034-X.

IMPACT Factor-Range/average	1-3
H Index till 2015	05

**Dr.Snigdha Mishra**

1. Supersymmetric E6 models with low intermediate scale, Snigdha Mishra and Sarita Mohanty, IOSR journal of Applied Physics , 2015 (Accepted for publication).
2. Left-right symmetric model from higher dimensional space, S.Mishra and S.Mohanty, IOSR Journal of Applied Physics, vol. 7, issue 3, pg. 29,2015 .
3. Left-right symmetric model from eight dimensional SU(6) gauge theory, S.Mishra and S.Mohanty, International Journal of group theory and non-linear optics, vol. 7, pg.212, 2015.
4. Low scale Leptogenesis in super symmetric E6 model, S.Mishra and S.Mohanty, New Advances in Physics, ISSN: 0974-3553, Serial Publication. Volume 8, Number 1, 2014.
5. Model Building in Even Higher Dimensional Space with Exceptional gauge group, S.Mishra and S.Mohanty, Research Journal of Berhampur University, ISSN no.2250-1681, Vol. 1(2011) 43-53.
6. Instanton induced compactification in  $M^4 \otimes CP^2$  space, S.Mishra, "Anusandhan", The Journal of Science, Berhampur University ,XVII(2010) 85 .

IMPACT Factor-Range/average	1-3
H Index till 2015	04

**Dr.Sidhartha Sankar Panda**

1. Magnetic Moment of Baryon, International Journal of Engineering Research and Science & Technology, S.Panda, S.Das , M.K.Muni and P.K.Nanda, ISSN : 0974-3553, Vol.3 No.3. 2014, Pg. 204-208.
2. An independent quark model study of weak leptonic decays of Pseudoscalar mesons, S.N.Jena,P.K.Nanda, S.Sahoo and S.Panda, International Journal of Modern Physics A Vol.30.No.16.2015,
3. Baryon Resonance Spectra in a Relativistic Potential of Independent quarks, S.N. Jena , H.H. Muni, P.K. Mohapatra and S.Panda, Chinese Journal of Physics, Vol. 49. No.5. 2011.

IMPACT Factor-Range/average	1-3
H Index till 2015	04

**Dr.S.Das**

1. Magnetic Moment of Baryon, S.Panda, S.Das, M.K.Muni and P.K.Nanda, International Journal of Engineering Research and Science & Technology, Vol.3 No.3. 2014.

IMPACT Factor-Range/average	1-3
H Index(till 2015)	03

Department of Zoology

## BRIEF PROFILE OF THE DEPARTMENT OF ZOOLOGY

1. Name of the Department : **Zoology**
2. Year of Establishment : 1969  
M.Sc Biotechnology-2005
3. Courses / programmes and Subject Combination Offered:  
(i) M.Sc Zoology( Regular and DE Mode) (ii) M.Sc Biotechnology( Self Finance mode)  
(iii) M.Phil/Pre-Ph.D in Zoology; (iv) Ph.D in Zoology and Biotechnology; (v) D.Sc in Zoology and Biotechnology
4. Numbers of teaching posts, Sanctioned, Filled:
 

Posts	Sanctioned	Filled
Professor	1	Nil
Reader	2	2
Lecturer	6	3
5. Numbers of Technical Staff Present: 8
6. Numbers of Students ( Men/ Women ) details
 

Courses	Male	Female	Total
M.Sc	5	48	53
M.Phil	1	2	3
7. Ratio of Teacher to students : 1: 9
8. Ratio of teacher to Research scholar : 1:6
9. Numbers of Teacher Scholars who have obtained their Master's from other institute :2
10. Number of Teachers in academic bodies of Other Autonomous colleges and Universities: 05
11. Latest revision of curriculum(year): 2015
12. Number of students passed in NET/SLET etc. (last five year):01
13. Success rate of the students:100%
14. Demand Ratio (No. of Application) :469 (1:16)
15. Awards and recognition received by faculties (last five years):
  - Tapan Kumar Barik: Raman Postdoctoral fellowship, UGC to visit centre for Infectious diseases and dynamics, Huck Institute of Life Sciences, Pennsylvania State University, USA for one year from Nov. 2013 to Nov. 2014.
  - Prof. N. K. Tripathy (Retired): Fellow of Indian Society of Biotechnology & Pharmacy, 2011 -12
16. Faculties who have attended Nation/ International Seminars : National-62, International-11
17. Number of National Seminar organized ( Last five Year) :03
18. Number of Teacher engaged in consultancy and revenue generated: 01,
19. Number of ongoing Projects and their total outlay: 01, 44.025 lakhs
20. Research Project completed during last five years and their outlay: 01, 4.5 lakhs
21. Number of inventions and patents: Nil
22. Number of PhD thesis guided during last five year: 21
23. Publication by faculties (last five year): 103
24. Average citation Index and Impact factor of publication:
25. Number of books in Department Library if any: 1571
26. Number of Journals/Periodicals in the Departmental library: Back volumes are available
27. Number of computer in the Department: 10
28. Annual Budget excluding salaries in Rupees :
  - Equipment: 9.0 lakhs(2014-15), 3.0 lakhs (2015-16) as per UGC XII plan
  - Books and Journals: Books-Rs. 2, 16000/- ; Journals (Allotted centrally for all departments)
  - Other Contingency; Rs 6000 (Field Study), Rs 1000 (Office contingency)
  - Lab. Contingency; 20000/-

## Evaluative Report of the Department

1. Name of the Department : **Zoology**
2. Year of establishment : **1969**  
: **Biotechnology (SFC)-2005**
3. Is the Department part of a School/Faculty of the university? **Yes, Faculty of Science and Technology**
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.):
  - **M.Sc Zoology (Regular and DE Mode),**
  - **M.Phil(one year regular course)/Pre-Ph.D in Zoology( Six months course work )**
  - **Ph.D in Zoology,**
  - **D.Sc in Zoology,**
  - **M.Sc Biotech (Self Finance) , Ph.D and D.Sc in Biotechnology**
5. Interdisciplinary programmes and departments involved: **Yes, the Department is running M.Sc Biotechnology Course as self-financing mode and conducting seminar and workshop on Bioinformatics regularly.**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : **It is being contemplated .**
7. Details of programmes discontinued, if any, with reasons: **No**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System:
  - **Semester Pattern (for Regular students)-CBCS pattern has been implemented from 2015-16**
  - **Annual Pattern for DE Mode students**
9. Participation of the department in the courses offered by other departments: **Faculties of our Department are taking theory and practical classes of M.Sc Biotechnology**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others) , M.Sc Biotechnology (Visiting faculties are taking the classes with the regular faculties of the department as per the requirement)

Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	02	NIL	01 (CAS)
Reader	02	02	02
Lecturer	05	03	03

## 11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designa-tion	Speciali-sation	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
Prof. N. K. Tripathy(Retired on 31/05/2012)	M.Sc., Ph.D	Professor	Genetic Toxicology	33	D.Sc. 02, Ph.D. 09
Prof. R. C. Choudhury(Retired on 30/03/2012)	M.Sc., Ph.D	Professor	Cytogenetics & Cytogenotoxicity	30	Ph.D. 04
Prof. U. R. Acharya(Retired on 31/07/2015)	M.Sc., Ph.D	Professor	Cytochemistry & Toxicology	30	D.Sc Registered: 01 Ph.D. 01, Registered :02, MPhil:06
Prof. S. Pattnaik	M.Sc., M.Phil., Ph.D	Professor	Cytogenetics & Sericulture	23	Ph.D: 07, Working: 02 and M.Phil:05
Dr G. Mishra	M.Sc., M. Phil., Ph.D	Reader	Stress Physiology & Biochemistry		D.Sc Registered:01 Ph.D. 04, Registered:09 M.Phil:10
Dr P. K. Dixit	M.Sc, Ph.D	Reader	Stress Physiology & Biochemistry	13	Ph.D: 06 Registered and 02 M.Phil
Dr T. K. Barik	M.Sc, M. Phil., Ph.D	Lecturer	Entomology, Radiation Biology and Nanotechnology	04	Ph.D: 02 Registered M.Phil: 02
Mr J. K. Seth	M.Sc. CSIR –NET	Lecturer	Cytogenetics, Ichthyology and Biodiversity	03	Nil
Mr L. K. Murmu	M.Sc. M.Phil CSIR-NET	Lecturer	Biochemistry	02	Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors (**For Biotechnology**):

- Prof R. C. Choudhary.
- Prof. B.B. Panda.
- Prof. S. K. Dash.

13. Percentage of classes taken by temporary faculty – programme-wise information: **In Biotechnology, 40% of the classes are taken by guest faculty.**14. Programme-wise Student Teacher Ratio: **M.Sc.**-(24 seats to 7 Teachers) **6.8:1** and **M.Phil: 2.4 : 1** (12 seats to 5 teachers), M.Sc Biotechnology (All are visiting faculties)



15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Post	Sanctioned	Existing	Vacancy
Demonstrator	03	02	01
Research Assistant	01	Nil	01
Artist-cum-photographer	01	01 (Out sourced)	01
Store Keeper	01	01	Nil
Office Assistant	01	01	Nil
Lab Attendant	04	01	03
Animal House Keeper	01	Nil	01
Specimen Collector	01	Nil	01
Peon	02	01 (Out Sourced)	02
Sweeper	01	01	Nil

16. Research thrust areas as recognized by major funding agencies:

Sl. No	Thrust area	Funding Agencies
1.	Ichthyology (Molecular Characterization along with Cytotaxonomy)	DBT
2.	Vector-Cytogenetics	DST
3.	Physiology & Biochemistry	DST

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise : **02 (Two)**

Sl. No	Name of the teacher	Title of the Project	Funding agency	Amount sanctioned (Rupees)	Remarks
1	Prof. U.R Acharya and Dr. T.K. Barik	Studies on Commercially Important Fish of Gopalpur Coast, Bay of Bengal and Development of Database using Barcoding Technique	DBT	44.025 Lakhs	On going
2	Dr. Tapan Kumar Barik	Screening of small molecules for anti-aging action using <i>Ceanorhabditis elegans</i> and Zebrafish as organism models	INMAS (DRDO)	4.5 Lakhs	Completed

18. Inter-institutional collaborative projects and associated grants received: 01

a) National collaboration

Name of Faculty	Collaborative Name of the Faculty	Name of the projects	Collaborative Institute/ laboratory	Grant Received	Status
Dr. Tapan Kumar Barik	Dr. I. Prem Kumar	Screening of small molecules for anti-aging action using <i>Ceanorhabditis elegans</i> and Zebrafish as organism models	DNA damage and repair Laboratory, Institute of Nuclear Medicine and Allied Sciences, DRDO	4.5 Lakhs	Completed

b) International collaboration: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

Sl. No	Name of the teacher	Title of the Project	Funding agency	Amount sanctioned (Rupees)	Remarks
1	Prof. U.R Acharya and Dr. T.K. Barik	Studies on Commercially Important Fish of Gopalpur Coast, Bay of Bengal and Development of Database using Barcoding Technique	DBT	44.025 Lakhs	On going
2	Dr. Tapan Kumar Barik	Screening of small molecules for anti-aging action using <i>Ceanorhabditis elegans</i> and Zebrafish as organism models	INMAS (DRDO)	4.5 Lakhs	Completed

20. Research facility/centre with

a. International-NIL

b. National- Bioinformatics Infrastructure Facility (B.I.F) Center, Recognized by Dept. of Biotechnology (DBT), Govt. of India

c. State-√

21. Special research laboratories sponsored by / created by industry or corporate bodies: **DBT (BIF center) Rs 58, 37,800/-**

22. Publications:

- Number of papers published in peer reviewed journals (national/ international): **95**
- Monographs: **Nil**
- Chapters in Books: **05**
- Edited Books: **Nil**
- Books with ISBN with details of publishers: 01  
**978-3-659-36678-9 (LAMBART Academic Publishing, Germany)**
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):

- Citation Index – range / average:  
Impact Factor-range/average: **Total- 66, Average- 8.25**
  - h-index: **24**
23. Details of patents and income generated: **Nil**
24. Areas of consultancy and income generated: **Nil**
25. Faculty selected nationally / internationally to visit other laboratories / institutions Industries in India and abroad:  
Dr. T. K. Barik was awarded Raman Fellowship and worked at the Huck Institute of Life Science, Pennsylvania State University, USA.
26. Faculty serving in:  
a) National committees **b) International committees** **c) Editorial Boards** d) any other (please specify):

SI No	Name of the Faculty	Position	Journal	Period
1	Prof. U. R. Acharya	Editorial Board Member	Reproductive toxicology, Netherland Human and Experimental Toxicology, Finland	Since 2010
1	Dr P. K. Dixit	Editorial Board Member	International Science and Research Journals, USA	Since 2014
2	Dr G. Mishra	Editorial Board Member	Indian Journal of Biology	Since 2014
3	Dr T. K. Barik	Editorial Board Member	Advances of Entomology	Since 2013
			International Journal of Malaria Research and Reviews	Since 2013
			Immunology and infectious diseases	Since 2014

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

Sl. No	UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs	Year
1	Training Programme on Biotechnology and Bio-informatics Tools and Techniques	22-23 March 2012
2	Application of Bioinformatics tools in Biological Science teaching and Research	22 <sup>nd</sup> -24 <sup>th</sup> March 2013
3	National Workshop on “Biotechnology for Economic enhancement of rural community in Southern region of Odisha”	11 <sup>th</sup> -12 <sup>th</sup> September, 2015

28. Student projects

- a. percentage of students who have done in-house projects including inter-departmental projects: **Average 30 % (M.Sc Biotechnology)**

- b. percentage of students doing projects in collaboration with other universities industry / institute: **Average 70% (M.Sc Biotechnology)**
29. Awards/recognitions received at the national and international level by
- a. Faculty
- Dr T. K. Barik: Raman award- for postdoctoral research at Huck Institute of Life Science, Pennsylvanian State University, USA for the Session 2013-2014.
  - Prof. N. K. Tripathy (Former): Fellow of Indian Society of Biotechnology & Pharmacy, 2011-12
- b. Doctoral/post doctoral fellows: 02 teacher Fellows (2010-2014), INSPIRE (DST): 01, Berhampur University fellow:01
- c. Students
- Chirasmitta Mishra-Rajat Jayanti Fellowship-DST-2013
  - Supriya Gupta- INSPIRE Fellowship-DST- 2011
  - Gayatri Acharya-INSPIRE Fellowship- DST- 2012
  - Sunita Patra and Pragyana Kar- Scholarships- Institute of Mathematics-2012
  - Umakanta Behera- Scholarships-Institute of Mathematics-2012
  - Ambika Sahoo- INSPIRE from DST- 2013
30. Seminars/ Conferences/Workshops organized and the source of funding (national
- i. International) with details of outstanding participants, if any.

Sl. No.	Date	Title of the Seminar/ Conference/Workshop	No. of participants	Source of funding
1.	28-29, March, 2010	Modern Biology and Human Welfare	120	UGC
2.	10-11 June 2012	“Man and Environment”	154	UGC
3	08-09 January 2012	Ecotoxicology and Human Health”	110	UGC
4	22-23 March 2012	Training Programme on Biotechnology and Bio-informatics Tools and Techniques”	17	DBT
5	22 <sup>nd</sup> -24 <sup>th</sup> March 2013.	Application of Bioinformatics tools in Biological Science teaching and Research	20	DBT
6	11 <sup>th</sup> - 12 <sup>th</sup> September,2015	National Workshop on “Biotechnology for Economic enhancement of rural community in Southern region of Odisha”	80	DBT

31. Code of ethics for research followed by the departments: **Yes (No:559/02/c/CPCSEA)**

## 32. Student profile programme-wise:

Year	Name of the Programme	Applications Received	Selected		Pass percentage	
			Male	Female	Male	Female
2010	M.Sc	186	5	19	100	100
	M.Phil	16	01	02	100	100
2011	M.Sc	172	06	18	91.66	100
	M.Phil	22	04	04	100	100
2012	M.Sc	273	02	22	83.33	100
	M.Phil	14	01	07	100	100
2013	M.Sc	245	08	16	75	100
	M.Phil	20	-	06	-	100
2014	M.Sc	339	04	20	100	100
	M.Phil	17	01	03	100	100

Name of Programme	Applications Received	Selected		Pass Percentage	
		Male	Female	Male	Female
M.Sc. Biotechnology (2009-10)	33	05	02	100	100
M.Sc. Biotechnology (2010-11)	53	06	08	100	100
M.Sc. Biotechnology (2011-12)	50	04	13	100	100
M.Sc. Biotechnology (2012-13)	21	-	-	-	-
M.Sc. Biotechnology (2013-14)	24	02	06	100	100

## 33. Diversity of students

Year	Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2010	M.Sc	62.5	37.5	Nil	Nil
	M.Phil	100	Nil	Nil	Nil
2011	M.Sc	75	25	Nil	Nil
	M.Phil	62.5	37.5	Nil	Nil
2012	M.Sc	54.2	45.8	Nil	Nil
	M.Phil	75	25	Nil	Nil
2013	M.Sc	58.3	41.7	Nil	Nil
	M.Phil	83.3	16.7	Nil	Nil
2014	M.Sc	54.2	45.8	Nil	Nil
	M.Phil	100	Nil	Nil	Nil

## Students' Diversity (Biotechnology SFC)

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. Biotechnology (2010)	28.6	71.4	----	----
M.Sc. Biotechnology (2011)	28.57	71.43	----	----
M.Sc. Biotechnology (2012)	0.0	100	----	----
M.Sc. Biotechnology (2013)	----	----	----	----
M.Sc. Biotechnology (2014)	75.0	25.0	----	----

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Sl. No	Name of the Student	Examination
1	Sangram Keshari Behera	IFS (UPSC) Topper- 2010
2	Paresh Chandra Patra	OES-II, 2013
3	Kiran Bala Bhunya	OPSC, Lecturer, 2013
4	Subrat Kumar Panigrahi	OPSC, Lecturer, 2011
5	Anupama Baral	OPSC, Lecturer-2011
6	Somanath Sahoo	NET (CSIR), 2013

## 35. Student progression

Student progression	Percentage against enrolled
UG to PG	Not Applicable
PG to M.Phil.	29% (2010-11)/28% (2011-12)/21% (2012-13) 5% (2013-14)/9.5% (2014-15)
PG to Ph.D.	4.1% (2010), 4.1% (2011)
Ph.D. to Post-Doctoral	-
Employed	
Campus selection	Not in Practice
Other than campus recruitment	
Entrepreneurs	

## 36. Diversity of staff

<b>Percentage of faculty who are graduates</b> of the same university	: 43
from other universities within the State	: 57
from universities from other States	: Nil
universities outside the country	: Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: **Two faculty members of the Department completed Pre-Ph.D. course work**

38. Present details of departmental infrastructural facilities with regard to

- Library: **with 1571 book + 50 Books (Biotechnology)**
- Internet facilities for staff and students: **Two points for students and to all individual faculty members**
- Total number of class rooms: **One auditorium/one class room-cum-laboratory, 02 special paper labs and one M. Phil Class Room/Computer Lab, Biotechnology (Two class rooms cum laboratory)**
- Class rooms with ICT facility: **University has already initiated the process of making an ICT enabled class room in our department.**
- Students' laboratories: **03 + 02 (Biotechnology)**
- Research laboratories: **06**

39. List of doctoral, post-doctoral students and Research Associates (**Awarded/working**)

SI No	Name of Doctoral/post-Doctoral Students/RA	Guides	Title of Research work	Awarded/Working
1.	Sadhna Rout	Prof. U. R. Acharya	Effect of Natural Antioxidants from selective plants on the D-galactose induced aging in mouse model	Submitted
2.	Uttam Kumar Nayak		Studies on the effects of certain metals on male swiss mice reproductive system	Working
3.	Rabi Narayan Pradhan		Protective Role of Certain Vitamins in Metal-Induced Testicular Dysfunctions in Swiss mice	Awarded



4.	Dr T. K. Barik (D.Sc)		Viral manipulation of Plasmodium falciparum in Anopheles gambiae	Working	
5.	S.P.Mohapatra	Prof. S. Pattnaik	Studies on the genotoxic effects of certain chemicals of industrial use in <i>Drosophila melanogaster</i>	Awarded	
6.	Suman Acharya		Phytochemical Examination and Antidiabetic Evaluation of few medicinal plants used by Folklore in rural belt of Orissa	Awarded	
7.	Dilip Kumar Jena		Phytochemical and Biological Evaluation of little known Ethnomedical plants of Orissa for the treatment Diabetes mellitus	Awarded	
8.	Kishore Kumar Pradhan		Development of stability indicating analytical methods for selected cardiovascular drugs	Awarded	
9.	Jayaprakash Padhi		Studies on the modifying effects of Ascorbic Acid and Tocopherol acetate on the Genotoxicity of certain chemicals in <i>Drosophila melanogaster</i>	Awarded	
10.	Suchitra Behera		Development structure, secretory activity and certain Biochemical characterization of silk gland complex in some races of <i>Bombyx mori.L</i>	Awarded	
11.	Amresh Pattnaik		Comparative Biochemical Study In Bivoltine and Multivoltine Larvae of Certain Silkworm Races <i>Bombyx mori.L</i> . During Development	Awarded	
12.	Usha Rani Brahma		Effect of certain Vitamins on the growth, development and economical characteristics of silkworm <i>Bombyx mori. L</i>	Working	
13.	Prafulla Chandra Patra		Status of Tasar cocoon production in Orissa during the the last two decades- analysis and suggestions	Working	
14.	J. Jen Mol		Biochemical, Morphological and Histochemical studies of salivary gland in certain races of <i>Bombyx mori. L</i>	Working	
15.	Suchitra kumara Sahu		Studies on the Mosquitoes of Ganjam and Gajapati districts of Orissa.	Working	
16.	Santosh Kumar Patra		Dr G. Mishra	Diversity of higher animals and its relation with vegetation pattern of Coastal belt of Ganjam District, Orissa	Submitted
17.	Smaranika Kar			The Activity of some Enzyme in Tissue of Mice Following Antioxidant Treatment	Working
18.	Gitanjali Pattnayak			Incidence of tuberculosis in different age groups in respect to socio-economic conditions	Submitted
19.	Kukumeena Mohanty	Thyroid hormone control of calcium and phosphate metabolism in tissues of Indian Toad		Working	
20.	Tapas Kumar Laha	Stability study of Duloxetine on RF-HFLC and characterization of degraded compounds through retro-synthesis		Awarded	
21.	Ajit Kumar Acharya	Ocular delivery of selective Cox 2 Inhibitor		Working	
22.	Preeja G Pillai	Isolation and evaluation of selection of selected medicinal plants for anticancer activity in animal models		Awarded	
23.	Nikunja Kishore	Biological evaluation of ethno medicinal		Awarded	

	Mishra		plants used in the treatment of arthritis, inflammation and microbial growth	
24.	Usha Pradhan		Biodiversity Studies on Reptiles & Fishes in Koraput district in Odisha	Working
25.	Sasmita Kumari Acharya		Development and valuation of analytical methods for quantitative determination of some selected drugs	Working
26.	Rajashree Panigrahy		Design and evaluation of mouth fast dissolving tablets of some selected drugs	Awarded
27.	Umakanta Behera		Ecology and Conserve of House Sparrow ( <i>Passer domesticus</i> ) in Southern Odisha	Working
28.	Sruti Ranjan Mishra		Design and Pharmaceutical Evaluation of Oral Controlled Release Drug Delivery System of Selected Poorly Water Soluble Anti-diabetic Drugs." (Submitted)	Awarded
29.	Sanatan Singh	Dr P. K. Dixit	An Approach to Biochemical Studies of Piscine Fatty Acids and Proteins.	Working
30.	Prasanta Kumar Biswal		Formulation and Evaluation of Self-Emulsified Drug Delivery System of Some Poorly Water Soluble Drugs	Submitted
31.	Bibaswan Mishra		Formulation Development, Optimization and Characterization of Nanosuspensions of Some Poorly Water Soluble Drugs	Submitted
32.	Goutam Kumar Jena		Formulation, Design, Optimization and Characterization of Mucoadhesive Multi-Particulate Drug Delivery Systems of Selected Anticancer Drugs of Colorectal Cancer	Working
33.	Chinmaya Mahapatra		Anticancer Drug Encapsulated Mucoadhesive Microcapsules to Treat Intestinal Carcinoma Cells	Working
34.	Sisir Kumar Naik	Dr T.K. Barik	Biology, Ecology and oviposition behaviour of certain mosquitoes	Working
35.	Kiran Bala Bhuyan		Use of Nuclear Techniques in establishing Sterile Insect Technique for the suppression of <i>Aedes aegypti</i> in interaction with other control tactics.	Working
36.	T.Sarita Acharya		Impact of thermal stress on efficacy of Bt toxin against wild Aedes mosquitoes	Working
37.	Late Parsuram Nayak	Prof. N. K. Tripathy	Studies on the value added products from low cost marine fishes of Orissa	Awarded
38.	Subrat Kumar Panigrahi		Biology & Ecology of Dengue vector Aedes.	Awarded
39.	S. Srinivas Swamy		The olive ridley sea turtle ( <i>Lepidochelys olivacea</i> ) along the Orissa coast – study of Gahirmatha and Rushikulya Rookery.	Awarded
40.	Satyabrata Mohanty		Physico-Chemical parameter of the Chilika lagoon and its effect on fish abundance	Awarded
41.	Surendra Singh		Synthesis and biological evaluation of some new heterocyclic compounds.	Awarded

42.	K. Sarath Babu		Synthesis, Biological evaluation of some new heterocyclics containing oxygen and nitrogen.	Awarded
43.	Y. Raghavendra		Chemical and Biological aspects of the flavenoids of some <i>Tephrosia</i> species.	Awarded
44.	Sunil Kumar		Plasma membrane H <sup>+</sup> - ATPase in plants: A Bioinformatics approach.	Awarded
45.	Prof (Dr). K.R.S.S. Rao		Fermentive strategies for Bioproductive of Tyrosinase and its characterization	D.Sc. awarded
46.	Prof (Dr) Rajarami Reddy		Developmental Neurotoxicity of lead and Arsenic protection with Antioxidants and Nutrient metals	D.Sc. awarded
47.	Ratnakar Parida	Prof. R. C. Choudhury	Assessment of cytogenotoxicity and free-radical generation potential of certain antineoplastic drugs from somatic cell lines of Swiss mice <i>in vivo</i> and their modulation by antioxidant.	Awarded
48.	Rabi Sankar Pandit		Modulatory effects of antioxidant on certain anticancer drug-induced cytogenotoxicity and their free-radical generation potential.	Awarded
49.	Pragyan Padhi		Chromosomes and chromosomal basis of sex-determination in certain fresh-water ornamental fishes.	Awarded
50.	Y.Venkateswary		Cytogenetic toxicity of certain Anticancer Antibiotics and Alkylating drugs in somatic and male germline cells of Swiss mice.	Awarded

40. Number of post graduate students getting financial assistance from the university: **01**

41. Was any need assessment exercise undertaken before the development of new programme(s)?

If so, highlight the methodology.

- **Academic exercise relating to formulation of new syllabus from time to time**
- **Innovative ideas in conducting practical classes basing on students need and infrastructural availability of the department**

42. Does the department obtain feedback from

- i. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? **Periodically, Staff council meet to discuss on the feedback received from the faculty member and resolved the issue.**
- ii. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? **The process has been initiated and the matter has been discussed in the staff council to resolve the issue.**
- iii. Alumni and employers on the programmers offered and how does the department utilize the feedback? **The Department has a strong and vibrant Alumni Association. The members of the Association are keen enough to encourage the students academically by instituted medals and prizes to the best students under different categories. The members are offering special coaching to the students for NET and GATE and other national level examinations.**

43. List the distinguished alumni of the department

Sl No	Name of the Member	Position
1	Prof. Bhikari Charan Guru	Former Professor of Zoology, Utkal University, Odisha and Director Quality Assurance cell ,KIIT,BBSR
2	Prof. Rajarama Reddy	Former Vice Chancellor, Vikrama Simhapuri University (VSU), Nellore, Andhra Pradesh
3	Dr Bidyadhar Das	Assistant Professor, NEHU, Shillong
4	Dr R. K. Mishra	Assistant Professor, Central University of Jharkhand
5	Prof. K.R.S. Sambasiba Rao	Rector, Acharya Nagranjun University, Nellore
6	Prof. S.C. Patnaik	Former Principal BJB (Auto) College , Bhubaneswar
7	Prof. Sabita Pattnaik	Former Principal, Regional College of Education, Bhubaneswar, Odisha
8	Dr. Himansu Mishra	Principal Bawanipatana College, Odisha
9	Prof. Shyma Kumari Tripathy	Former Director, College of Fisheries, OUAT, Rangeilunda, Odisha
10	Dr. Surata Bisoi	Scientist , State Forensic Science Lab., Odisha

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts (2010-2015).

Sl No	Name of Invited Experts	Topics of Lecture	Detailed of Experts
1.	Prof. Rajarami Reddy, Vice-Chancellor , Vikrama Simhapuri University (VSU), Nellore, Andhra Pradesh	Neurotoxicity of Lead	Former Vice Chancellor, Vikram Simhapuri University, Nellore
2.	Dr. Manmohan Mishra Senior Scientist National Institute of Health and Family Welfare, New Delhi	Oxidative Stress and male reproductive system	National Institute of Health and Family Welfare, ICMR, New Delhi
3.	Prof. Anita Mehta Professor P.G Department of Biotechnology	Immunological responses of Cuscuta reflexa	Sagar University, Raipur
4.	Prof. K.R.S.S. Rao Professor	Bioprocessing	Prof. and Rector, AN University, Guntur
5.	Prof.G.S Tripathy Professor	Evolutionary Trends of Biomolecules	Department of Physics, Berhampur University, Odisha

45. List the teaching methods adopted by the faculty for different programmes.

- Laboratory and field trip
- Class room teaching(LCD/OHP system available)

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- Regular class tests/ assignments
  - Seminar presentation
  - Quizzes
  - Essay writing
  - Group Discussion
  - Semester Examination as adopted by University
47. Highlight the participation of students and faculty in extension activities.
- Community awareness programme related to mosquito borne diseases and NIS programme.
  - Swachha Bharat Abhiyan
48. Give details of “beyond syllabus scholarly activities” of the department.
- Weekly Seminar
  - Competitions like General Awareness, Debate, Essay writing among students of the Department
  - Participation in Add-on courses
  - Maintenance of department museum and Library
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. **No**
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied
- Behavioral study related to deer in captive condition
  - Identification of animals through molecular approach
  - Dept. of Biotechnology has designed a website ([www.bubif.ac.in](http://www.bubif.ac.in)) containing information about the Chromosomes of some marine fishes, which is very helpful for the leading researchers in the field of biotechnology. Dept. is planning to update the information with some fresh water and brackish water fishes
51. Detail five major Strength, Weakness, Opportunities and Challenges (SWOC) of the department
- Strength**
- Six faculties
  - Weekly Seminar interface
  - Good teaching learning environment
  - Disciplined students
  - Regular class without interruption
  - Various Students competitions organized regularly in the Department to enhance academic atmosphere
  - Regular field trip to locations of Biological importance
  - Students interaction with Alumni members
  - Well experiences Alumni to help the department in various aspects
  - Advanced equipment
  - BIF center with Bioinformatics soft-wares
- Weakness**
- Less number of senior faculties
  - Space Crunch for Laboratory and Class room
  - Lack of Electricity back up facility
  - Locational disadvantages

**Opportunities**

- Collaboration with National Institute and Industrial sector for research and training to students and faculty
- Submission of research project proposal to different funding agencies
- Creating interest among the students for extension activities for society and environment

**Challenges**

- To provide world class facility to student for research and development
- To change mindset of the students and motivate them for creative research
- To make the department a center of excellence
- To have collaborative research with other Institutions of international repute.
- To develop Industry-Academia partnership to have applied researches

## 52. Future plans of the department.

- Up gradation of the Department to DST – FIST
- Up gradation of Zoology Museum up to the National standard
- Construction of a career counseling cell in the Department.
- Modernization of Department Library
- Implementation of Integrated M.Sc and Ph.D. Programme
- Collaborative research projects
- To undertake action orientated research
- Conversion of the Dept. from Self-Financing to Regular mode.
- Appointment of Permanent Faculties & Non-teaching staffs.

**RESEARCH PUBLICATIONS (2010-2015)**  
**DEPARTMENT OF ZOOLOGY****Professor R. C. Choudhury (2010- 2012)**

1. Pandit, R.S., Choudhury, R.C. (2012). Clastogenic effects of the anticancer drug Epirubicin on mouse bone marrow cells. *Biology and Medicine*, 3(5), 43-49.
2. Choudhury, R.C., Palo, A.K., Pandit, R.S. (2011). Vinblastine-Induced Cytogenotoxicity in Spermatogonia and Its Transmission in the Germline Cells of Swiss Mice. *Journal of Environmental Pathology, Toxicology and Oncology*, 30(2), 113-121. [IF: 1.154]

**Professor S. Pattnaik**

1. Prahi, R., Suresh, P., **Pattnaik, S.** (2015). Formulation optimization of PVA/HPMC cryogel of Diltiazem HCl using 3-level factorial design and evaluation for ex vivo permeation. *Journal of Pharmaceutical Investigation*, 45(3), 319-327.
2. Sahoo, D. C., Choudhury, N. S. K., **Pattnaik, S.** (2015). Phytochemical Screening of Crude Root Extracts of *Cephalandra indica* (Cucurbitaceae). *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, 6(2), 1402-1407. [Impact Factor:0.3]
3. Prahi, R., Suresh, P., Pattnaik, S. (2014). Physical means of stratum corneum barrier manipulation to enhance transdermal drug delivery. *Current Drug Delivery*, 2(12), 122-138. [Impact Factor:1.478]
4. Patra, K. P., Patra, N., Pattnaik, S. (2014). Synthesis and Screening of Analgesic Activity of Some Novel Pyrazole. *International Journal of Pharmaceutical Sciences and Research*, 5(5), 1874-1883. [Impact Factor: 1.79]
5. Patra, K. P., Patra, N., Pattnaik, S. (2014). Synthesis and antibacterial activity screening of some novel pyrazole derivatives. *International Journal of Pharmacy and Pharmaceutical Sciences*. 6(1), 1874-1883.
6. Patra, K. P., Patra, N., Pattnaik, S. (2014). Antifungal and Anthelmintic Activity of Some Novel Pyrazole Derivative. *Asian Journal of Research in Chemistry*, 7(1), 92-98.
7. Patra, K. P., Patra, N., Pattnaik, S. (2014). Synthesis of Anti-Inflammatory Activity Screening of Some Novel Pyrazole Derivatives. *World Journal of Pharmacy and Pharmaceutical Sciences*, 3(3), 1504-1518.
8. Pattnaik, S. (2014). Genotoxicity of vinyl chloride and modifying effects of ascorbic acid tested in the *Drosophila melanogaster* wing spot test. *Proceedings of the Global summit on Emerging Science & Technologies: Impact on Environment & Human Health*. 28-32.
9. Acharya, S., Dash, G. K., Pattnaik, S., Chetree, R. R. (2011). Antihyperglycemic and Antihyperlipidemic Activity of *Acacia suma* (Roxb.) Barks. *Research Journal of Pharmacology and Pharmacodynamics*, 3(2), 67-71.
10. Pradhan, K. M., Mishra, U. S., Pattnaik, S., Panigrahi, G., Pasa, G., Sahu, K. C. (2011). Stress Degradation Studies on Valsartan and Development of a Validated Method by UV Spectrophotometric in Bulk and Pharmaceutical Dosage Form. *Journal of Pharmaceutical and Biomedical Sciences*. 8(2), 1-8.
11. Pradhan, K. K., Mishra, U. S., Pattnaik, S., Pasa, G., Sahu, K. C., Mishra, D. (2011). Method Development and validation of Valsartan in Bulk and Pharmaceutical Dosage Forms by Isocratic RP-HPLC Technique. *International Journal of Pharmaceutical and Development*, 3(7), 201-208.



12. Pradhan, K. M., Mishra, U. S., Pattnaik, S., Mishra, D., Panigrahi, G., Sahu, K. C. (2011). Method Development, validation and Stability Study of Irbesartan in Bulk and Pharmaceutical Dosage Form by UV Spectrophotometric Method. *International Journal of Pharmaceutical & Biological Archives*. 2(4), 1018-1026.
13. Pattnaik, S., Behera, S., Mol, J. J. (2011). Ascorbic acid content in two hybrid races of *Bombyx mori*. *Journal of Science, Berhampur University*, Vol-1, 34-42.
14. Pattnaik, S., Behera, S., Behera, H. (2010). Growth and Development of fifth instar larvae of Silkworm races, *Bombyx mori* L. *Journal of Science, Berhampur University*, XVII-XVIII, 117-128.

#### **Professor N. K. Tripathy (2010 – 2012)**

1. Rao, K.R.S.S., Tripathy, N.K., Mahalaxmi, Y., Prakasham, R. S., Rao, D.S. (2012) Improved production of Laccase and Peroxidase-free Tyrosinase in *Streptomyces antibioticus*. *Bioprocessing Journal*. 12(3): 46-54.
2. Reddy, G. R., Tripathy, N.K., Reddy, K. S. (2012). Exposure to metal mixture of lead and arsenic impacts superoxide dismutase activity and expression in rat brain. *Current Trend in Biotechnology and Pharmacy* Vol. 6(3) pp. 367-372.
3. Rao, K.R.S.S., Tripathy, N.K., Mahalaxmi, Y. (2012) Biochemical characterization and identification of extracellular tyrosinase biosynthesis in *streptomyces antibioticus*. *International Research Journal of Biochemistry and Bioinformatics*, 2(4), 90-92.
4. Rao, K.R.S.S., Tripathy, N.K., Mahalaxmi, Y. (2012) Laccase- and Peroxidase-Free Tyrosinase Production by Isolated Microbial Strain, *J. Microbiol. Biotechnol.* 22(2), 207–214.
5. Basa, G.S., Murty, P.N., Tripathy, N.K. (2012). Design and development of cyclodextrin inclusion complex matrix tablets of ornidazole for colon delivery. *Int. J. Institutional Pharmacy and Life Science*, 2(3): 246-254.
6. Sahu, S., Ravikumar, K., Tripathy, N.K. (2012). Quantitation of Floxuridine in K<sub>2</sub> EDTA rat plasma using HPLC coupled with Tandem Mass Spectroscopy. *Asian J. Chemistry*, 24(5):2039-2041.
7. Tripathy, N.K. (2011). Genotoxicity of Maleic Hydrazide and the Possible Modifying Effects of  $\alpha$ -Tocopherol Studied in the Somatic Cells of High Bioactivation Strains of *Drosophila Melanogaster*. *Research Journal of Berhampur University*. 1,1-33.

#### **Professor U. R. Acharya**

1. Acharya. U. R., Behera, S. K., Swain, S. N., Panda, M. K., Mistri, A. R., Sahoo, B. B. (2014). Sequence and Structural Analysis of  $\beta$ -actin protein of fishes, using Bioinformatics tools and techniques. *International Journal of Biosciences*, 4(11), 249-256. **[Impact Factor: 0.9]**
2. Mohapatra, R. K., Panda, S., Acharya, U. R. (2014). Study on Activity pattern and incidence of stereotypic behaviour in captive tigers. *Journal of Veterinary Behavior Clinical Application and Research*, 9(4), 172-176. **[Impact Factor: 0.9]**
3. Acharya, U.R. (2014) Apiculture. *Application of Biology for Self Employment* (pp. 80-94). Edited by Dr. S.N. Padhi. Nanda Kishore Publication, Bhubaneswar (Odisha).
4. Acharya, U.R. (2014) AcPisciculture and its management. *Application of Biology for Self Employment* (pp. 129-177). Edited by Dr. S.N. Padhi. Nanda Kishore Publication, Bhubaneswar (Odisha).

5. Acharya, U. R., Behera, S. K., Panda, M. K., Pradhan, R. N. (2013). Cadmium toxicity on spermatogenesis and its amelioration by vitamins. *Emerging Science Journal*, 5(1), 35-39.
6. Acharya, U. R., Behera, S. K., Panda, M. K. (2012). Bioinformatics Analysis for Identification and Structure Prediction of Transmembrane Mucins. *Emerging Science Journal*, 4(11), 1-4.
7. Acharya, U. R., Behera, S. K., Panda, M. K., Pradhan, S. K. (2012). Proteomics of Blue - Green Algae & Green Algae through SDS-PAGE analysis. *Emerging Science Journal*, 4(11), 14-18.
8. Acharya, U. R., Behera, S. K., Panda, M. K., Singh, R. (2011). Sequence Analysis and Homology Modelling Of Growth Hormone Protein of Few Fishes, Using Bioinformatics Tools and Techniques. *Journal of Science, Berhampur University*, 18, 88-95.

#### Dr. G. Mishra

1. **Mishra, N. K., Tripathy, P. Ch., Dash, G. K., Mishra, G. (2015):** Ethno medicinal activity of watermelon (*Citrullus lanatus*): a review. *International Journal of Life Sciences Biotechnology and Pharma Sciences*, 1(2), 1-7, ISSN: 2395 – 650X.
2. **Mohanty, K., Pattnaik, S., Mishra, G. (2015):** Role of Thyroxine (T4) in Calcium, Phosphorus Metabolism in Tissues of Amphibia (*Bufo melanostictus*). *Indian Journal of Biology*, 2(1), 30-37, ISSN: 2394-1391.
3. **Mishra, N. K., Dash, G. K., Mishra, G., Padhiary, T. K., Sravani, B. S., Kumari, G. S., Senapathy, B. (2015):** Drug eluting stent (DES) therapy in coronary artery disease, *Pharma Science Monitor, An International Journal of Pharmaceutical Sciences*, 4(10), 208216. **[Impact Factor: 0.339]**
4. **Laha, T. K., Sen, S., Mishra, G. (2015):** Determination of duloxetine and its major metabolites in rabbit plasma by high-performance liquid chromatography. *International Journal of Pharmaceutical Sciences and Drug Research*, 7(2), 176-181; ISSN: 0975-248X. **[Impact Factor: 1.359]**
5. **Mishra, N. K., Dash, G. K., Mishra, G., Rekha, S., Panda, J. R. (2015):** Anti-arthritic effect of Polyherbal mixture studied in adjuvant induced arthritic rats. *International Journal of Pharmacotherapy*, 5(1), 45-51. (ISSN: 2249-7765). **[Impact Factor: 2.735]**
6. **Mishra, N. K., Rao, P. S., Tripathy, P. Ch., Dash, G. K., Mishra, G. (2015):** Lymphatic Filariasis and its treatment. *International Journal of Pharmacognosy*; 2(4), 100-05; (ISSN: 2348-3962) Print-ISSN: 2394-5583.
7. **Datta, S., Kar, B., Mishra, G., Nayak, S. (2015):** Hepatoprotective activity of *Euphorbia neiiifolia* against paracetamol induced hepatotoxicity in rats, *Der Pharmacia Lettre*, 7(3), 23-28, (ISSN: 0975-5071). **[Impact Factor: 0.5]**
8. **Mishra, N. K., Pallavi, M., Mishra, G. (2015):** Polyherbal therapy in ointment base for wound healing activity in rats, *Journal of Engineering Computers & Applied Sciences (JECAS)*, 4(2), 2319-5606. **[Impact Factor: 0.356]**.
9. **Pattnaik, S., Mohanty, K., Pati, S., Mishra, G. (2015).** Some aspects of calcium and phosphorous Metabolism in Liver tissues of thyroxine treated *Duttaphrynus melanostictus*. UGC & DST Sponsered International Conference on Innovative Applications of Chemistry in Pharmacology & Technology, IC-IACPT-2015, Organised by Dept. of Chemistry, Berhampur University, Odisha, India. (pp 171-175).
10. **Mishra, G., Kar, S. (2014):** Ameliorative role of ascorbic acid against monocrotophos induced toxicity in Albino mice, *Indian Journal of Biology*, vol- 1.

11. **Pillai, P.G., Suresh, P. and Mishra, G. (2013):** Induction of Apoptosis in Human Colon Cancer Cells by Methanol Fraction of Leaves of *Plectranthus amboinicus* (Lour) Spreng, *Int. J. for Pharmaceutical Research Scholars*, 2(3), 74-82. [**Impact Factor: 1.0285**]
12. **Mishra, N.K., Biswal, G.C., Chowdary, K.A., Mishra, G. (2013):** Anti-arthritic activity of *Tribulus terrestris* studied in Freund's adjuvant induced Arthritic rats, *J Pharm Educ. Res.* 4(1), 41-46.
13. **Laha, T.K., Mishra, G., Sen, S. (2013):** High-performance Liquid Chromatographic Analysis of Duloxetine and its metabolites in rat liver microsomes and characterization of *in vitro* microsomal metabolites through retro-synthesis followed by NMR and MS study, *Int. J. of Pharmacy and Pharmaceutical Sciences*, 5(3), pp. 712-716. [**Impact Factor: 0.55**]
14. **Laha, T.K., Mishra, G., Sen, S. (2013):** High-Performance Liquid Chromatographic Analysis of Duloxetine and its metabolites in rat and characterization of metabolites in Plasma, Urine, Feces and Bile through Retro-synthesis followed by NMR and MS studies, *Int. J. of Pharmaceutical Science and Drug Research*, 5(2), 70-77. [**Impact Factor: 1.359**].
15. **Mishra, N. K., Chowdary, K. A., Mishra, G. (2013): Polyherbal mixture in Syrup Base: A Better Treatment for Arthritis**, LAP LAMBERT Academic Publishing, Germany.
16. **Panigrahi, R., Behera, S., Choudhury, P. K., Chowdary, K. A., Mishra, G. (2012):** Effect of Combination of Superdisintegrants on Fast Dissolving Tablets of Gliclazide, *Webmed Central Pharmaceutical Sciences*, 3(2), 1-16.
17. **Panigrahi, R., Chowdary, K. A., Mishra, G., Bhowmik, M., Behera, S. (2012):** Comparative Evaluation studies of Natural Superdisintegrants for Fast Dissolving Tablets of Gliclazide. *American Journal of PharmTech Research*, 2(3), 627-635. [**Impact Factor: 0.9832**]
18. **Panigrahi, R., Behera, S., Choudhury, P. K., Mishra, G. (2012):** Development of new spectrophotometric method for the estimation of Gliclazide. *Int. J. of Advance Pharmaceutical and Biological Sciences*, 2(2), 124-127.
19. **Panigrahi, R., Behera, S., Chowdhary, K. A., Mishra, G. (2012):** Formulation and evaluation of Gliclazide fast dissolving Tablets using combination of superdisintegrants. *Int. J. Universal Pharmacy and Life Science*, 2(1), 161-169.
20. **Mohanty, R., Acharya, A. K., Mishra, G. (2012):** Effect of Formulation Factors on In Vitro Transcorneal permeation of Olopatadine Hydrochloride Aqueous eye drops. *International Journal of Pharma Tech. Research.* 4(2), 742-749. [**Impact Factor: 0.619**]
21. **Kar. S., Mishra, G. (2012):** Impact of Antioxidant on Succinate Dehydrogenase activities in tissues of Swiss Mice. *Research Journal of Berhampur University*, pp.103-107; ISSN: 2250-1681.
22. **Acharya, S. K., Bhattamisra, S. K., E. Muddana, B. R., V. V. Bera Ravikumar., Panda P., Panda, B.P., Mishra, G. (2012):** Development of a High Performance Liquid Chromatographic method for Determination of Letrozole in Wistar Rat serum and its Application in Pharmacokinetic studies. *Scientia Pharmaceutica*, 80: 941-953. [**Impact Factor: 0.978**]
23. **Laha, T. K., Mishra, G., Sen, S. (2012):** A Validated Stability Indicating Reversed Phase High Performance Liquid Chromatographic Method of Duloxetine and Characterization of its Degradation Products through Retro-Synthesis. *Pharmaceutica Analytica Acta*, Vol: 1 (6), pp.1-6.

24. **Panigrahi, R., Chowdary, K. A., Mishra, G., Bhowmik, M. (2012):** Effect of combination of Natural Superdisintegrants on Fast Dissolving Tablets of Lisinopril. *Int. J. of Pharmaceutical Research & Allied Sciences*. 1(3), 73:78. [**Impact Factor: 0.487**]
25. **Panigrahi, R., Bhowmik, M., Behera, S., Choudhury, P.K., Chowdary, K., Mishra, G. (2012):** Formulation and Evaluation of Fast Dissolving Tablet of Gliclazide using combination of Superdisintegrants, *Webmed Central Pharmaceutical Sciences*, 3(2), 1-29.
26. **Panigrahi, R., Behera, S., Chowdary, K. A., Mishra, G., Bhowmik, M. (2012):** Formulation and Evaluation of Gliclazide Fast Dissolving Tablets using Superdisintegrants in combination, *IJPI's Journal of Pharmaceutics and Cosmetology*, 2(10), 1-8.
27. **Panigrahi, R., Chowdary, K. A., Mishra, G., Behera, S., Bhowmik, M. (2012):** Comparative evaluation studies of natural superdisintegrants for taste masked fast dissolving tablets of Lisopril, *Int. J. of Universal Pharmacy and Life Science*, 2(2), 177-186.
28. **Panigrahi, R., Chowdary, A. K., Mishra, G., Bhowmik, M., Behera, S. (2012):** Formulation of Fast Dissolving Tablets of Lisinopril using combination of synthetic superdisintegrants, *Asian J. Pharm. Tech.* 2(3), 64-69.
29. **Mishra, N. K., Mishra, G., Chowdhary, K. A., Panda, J. R., Singhi, P. (2012):** Comparative antimicrobial study between *Andrographis paniculata* and *Azadirachta indica*. *Pharma Science Monitor*, Online Publication, 3499-3504.
30. **Mishra, S. R., Mishra, G., Jena, P. K., Ellaiah, P., Nayak, B. S. (2011):** Modification of dissolution rate of pioglitazone HCl by solid dispersion technique using PEG 6000, *International Journal of Drug Formulation and Research*, 2(6), 221-230. [**Impact Factor: 1.223**]
31. **Mishra, S. R., Mishra, G., Jena, P. K., Ellaiah, P., Nayak, B. S. (2011):** Enhancement of bioavailability of pioglitazone HCl using  $\beta$ -cyclodextrin by kneading method, *Journal of Pharmacy Research*, 4(10), 3624-3627. [**Impact Factor: 1.223**]
32. **Mishra, S. R., Mishra, G., Jena, P. K., Ellaiah, P., Nayak, B. S. (2011):** An approach for enhancement of dissolution rate of pioglitazone HCl by solid dispersion technique using PEG 6000, *International Journal Of Pharmaceutical Sciences and Research*, 2(10), 2681-2685. [**Impact Factor: 1.79**]
33. **Mishra, S. R., Mishra, G., Ellaiah, P., Nayak, B. S. (2011):** Formulation, design, preparation and in vitro characterization of pioglitazone HCl solid dispersion, *International Journal of Institutional Pharmacy and Life Science*, 1(2), 101-111.
34. **Mishra, S. R., Mishra, G., Jena, P. K., Ellaiah, P., Nayak, B. S. (2011):** Comparative study on effect of solid dispersion techniques for enhancement of dissolution rate of pioglitazone HCl, *International Research Journal Pharmacy*, 2(8), 136-141. [**Impact Factor: 0.751**]
35. **Mishra, S. R., Mishra, G., Jena, P. K., Ellaiah, P., Nayak, B. S. (2011):** Effect of methodology of solid dispersion on dissolution profile of poorly aqueous soluble pioglitazone HCl, *International Journal of Research in Pharmaceutical and Biomedical Sciences*, 2(3), 1232-1238.
36. **Pillai, P.G., P. Suresh, Mishra, G., M.M. Annapurna (2011):** Evaluation of the acute and sub-acute toxicity of the methanolic leaf extract of *Plectranthes amboinicus* (lour) spring in Balb C mice. *European journal of Experimental Biology*, 1 (3), 236-245.

37. **Mishra, N.K., Bastia, S., Mishra, G., Choudhury, K.A., Patra, S. (2011):** Anti-arthritic activity of Glycyrrhiza glabra, Boswellia Serrata and their Synergistic activity in combined formulation studied in freed's adjuvant induced arthritic rats. *J.Pharm Educ Res Vol-2.2'Dec'*.
38. **Chetty, J.R., Dixit, P.K., Mishra, G. (2011):** Adrenaline induced changes in kinetics of Na<sup>+</sup>-K<sup>+</sup>-ATPase in tissues of Indian toad, *Bufo melanostictus*. *The IUP Journal of Life Sciences*, V (4), 54-62, (ISSN: 0973-8487).
39. **Mishra, S. R., Mishra, G., Jena, P. K., Ellaiah, P., Nayak, B. S. (2011):** Preparation and in vitro evaluation of pioglitazone solid dispersion using beta-cyclodextrin, *Indian Pharmacist*, 2(1), 75-78.
40. **Andia, B.N., Dixit, P.K., Mishra, G., Behera, S., Behera, H. N. (2010):** Assessment of age and growth in Common tree frog *Polypedates maculatus* (Gray) by Skeletochronology., *Proc. Nat. Acad. Sci. (India)*, Vol. 80, Sect. B (Part-III), 221-229. [Impact Factor: 0.396]
41. **Lenka, S., Mishra, G., Behera, H.N. (2010):** Activity of Na<sup>+</sup>-K<sup>+</sup>-ATPase in tissues of toad following Adrenaline treatment. *Anusandhan Journal of Science*, Vol.XVIII, 107-116.

#### Dr. P. K. Dixit

1. Biswal, P. K., Pani, N. R. and **Dixit, P. K. (2015):** Effects of carbohydrate polymers in self-microemulsified tablets on the bioavailability of atorvastatin: In vitro–in vivo study, *Life Sciences*, 135, 92–100. [IF: 2.70]
2. *Singh, S., Dixit, P. K. and AK Patra (2015):* Studies on comparative morphology and anatomy of certain body tissues of three freshwater teleosts, *International Journal of Bio-Assays*, 4 (6), 4013-4021.
3. Mishra, B., Sahoo, J. and **Dixit, P. K. (2015):** Fabrication of cinnarizine nanosuspensions by ultrasonication technique: a systematic study of formulation parameters on particle size and in-vitro dissolution, *Biopharm Journal*, 1(1), 12 21.
4. Mishra, B., Sahoo, J. and **Dixit, P. K. (2015):** Formulation and process optimization of naproxen nanosuspensions stabilized by hydroxy propyl methyl cellulose, *Carbohydrate Polymers*, 127, 300–308. [IF: 4.07]
5. Chetty, J. R., **Dixit, P. K.** and Mishra, G. (2011): Adrenaline induced changes in kinetics of Na<sup>+</sup>-K<sup>+</sup>-ATPase in tissues of Indian toad, *Bufo melanostictus*. *The IUP Journal of Life Sciences*, V (4), 54-62.
6. Behera, S., **Dixit, P. K.** and Behera, H.N. (2011): Regulatory role of adrenaline, on G6PDH activity, in liver tissue of Common Indian toad, *Bufo melanostictus*, *The IUP Journal of Life Sciences*, V (1), 40-50.
7. Andia, B. N., **Dixit, P. K.**, Behera, S. and Behera, H. N. (2010): Age determination in common Indian toad, *Bufo melanostictus* by 'Skeletochronology' *The IUP Journal of Science & Technology*, 6 (3), 42-56.
8. Andia, B. N., **Dixit, P. K.**, Mishra, G., Behera, S. and Behera, H. N. (2010): Assessment of age and growth in Common tree frog *Polypedates maculatus* (Gray) by Skeletochronology., *Proc. Nat. Acad. Sci. (India)*, 80, Sect. B (Part-III), 221-229. [IF: 0.396]
9. Sahoo, D., Panda, S., Guru, B. C., Palita, S. K., Dash, M. and **Dixit, P. K. (2010):** "Global Warming and Birds", Paper presented in "National Seminar on Effect of Global Warming and rapid changes in Oceanic line at Costal Orissa and its effect on Migratory birds of lake *Chilika* and ecological consequences" organized by the AABAHAN, Sponsored by Ministry of Environment and Forests, Govt. of India, 13-14 March 2010, 32-36.



**Dr. T. K. Barik**

1. Barik, T.K. (2015). Antimalarial drug: From its development to deface. *Current Drug Discovery Technology*, 12.
2. Suzuki, Y., Barik, T.K., Johnson, R.M., Rasgon, J.L. (2015). In vitro and in vivo host range of *Anopheles gambiae* densovirus (AgDENV). *Scientific reports*, 5, 12701. [IF: 6.0]
3. Sahu, B., Barik, T.K., Dhiman, R.C. (2015). Analysis of Sulphadoxine-Pyrimethamine drug resistance in *Plasmodium falciparum* from Khurda district of Odisha, India. *Research Journal of Pharmaceutical Biological Chemical Sciences*, 6(3), 1270 – 1277.
4. Barik, T. K. (2015). Ecologically Sound Mosquito Vector Control in River Basins. In Mu. Ramkumar, K. Kumarasamy & R. Mohanraj (Eds.), *Environmental Management of River Basin Ecosystems*, (Vol.1, pp. 749-761).
5. Raghavendra, K., Barik, T. K., Sharma, S. K., Dash, M. K., Dua, V.K., Pandey, A., Ojha, V.P., Tiwari, S.N., Ghosh, S.K., Dash, A.P. (2014). A note on the insecticide susceptibility status of principal malaria vector, *Anopheles culicifacies* in four states of India. *Jr. Vect. Bor. Dis.*, 51, 230-234. [IF: 0.8]
6. Elamathi, N., Barik, T.K., Verma, V., Velamuri, P.S., Bhatt, R.M., Sharma, S.K., Raghavendra, K. (2014). Standardization of bottle assay an indigenous method for laboratory and field monitoring of insecticide resistance and comparison with WHO adult susceptibility test. *Parasitology Research*, 113, 3859–3866. [IF: 2.2]
7. Panigrahi, S.K., Barik, T.K., Mohanty, S., Tripathy, N.K. (2014). Laboratory evaluation of oviposition behavior of field collected *Aedes* mosquitoes. *Journal of Insects*, Article ID 207489, 8 pages.
8. Barik, T.K. (2014). Recent Trend in Sericulture. In S.N. Padhi (Ed.), *Application of Biology for self employment* (pp.28-47). Nanda Kishore Publications, Bhubaneswar Odisha, India.
9. Barik, T.K., Mishra, C., Bhuyan, K.B. (2014). Lac Culture. In S.N. Padhi (Ed.), *Application of Biology for self employment* (pp. 95-128). Nanda Kishore Publications, Bhubaneswar Odisha, India.
10. Panigrahi, S.K., Tripathy, N.K., Barik, T.K. (2013). Field survey of *Aedes* mosquito breeding sites in and near Berhampur city, Odisha, India. *Journal of Entomological Research*, 37 (2), 187-194.
11. Joshi, J., Barik, T. K., Shrivastava, N., Dimri, M., Ghosh, S., Mandal, R. S., Ramachandran, S., Prem Kumar, I. (2013). Cyclooxygenase-2 (COX-2) - A Potential Target for Screening of Small Molecules as Radiation Countermeasure Agents: An *In Silico* Study, *Current Computer-Aided Drug Design*, 9(1), 35-45.
12. Barik, T.K., Raghavendra, K., Gowswami, A. (2012). Nanosilica: a potential new insecticide for mosquito vector control. *Parasitology Research*, 111, 1075–1083. [IF: 2.2]
13. Mishra, A.K., Chand, S.K., Barik, T.K., Dua, V.K., Raghavendra, K. (2012). Insecticide resistance status in *Anopheles culicifacies* in Madhya Pradesh, Central India, *Jr. Vect. Bor. Dis.* 49, 39-41. [IF: 0.8]
14. Bhatt, R.M., Sharma, S.N., Barik, T.K., Raghavendra, K. (2012). Status of insecticide resistance in malaria vector, *Anopheles culicifacies* in Chhattisgarh state, India. *Jr. Vect. Bor. Dis.* 49, 36-38. [IF: 0.8]
15. Raghavendra, K., Barik, T.K., Bhatt, R.M., Srivastav, H.C., Sreehari, U., Dash, A.P. (2011). Laboratory and field evaluation of chlorfenapyr against *Culex quinquefasciatus*. *Acta Tropica*. 118(1), 50-55. [IF: 2.8]

16. Raghavendra, K., Barik, T.K., Reddy Niranjana B.P., Sharma, P., Dash, A.P. (2011). Malaria vector control: From past to future. *Parasitology Research*. 108(4), 757-79. [IF: 2.2]
17. Raghavendra, K., Barik, T.K., Sharma, P., Bhatt, R.M., Srivastava, H.C., Sreehari, U., Dash A.P. (2011), Chlorfenapyr: A new insecticide with novel mode of action can control pyrethroid resistant malaria vectors. *Malaria Journal*. **10**:16 [IF: 3.5]
18. Raghavendra, K., Barik, T.K., Swain, V. (2010). Impact of thermal stress on survival and development of adaptive thermotolerance in *Anopheles culicifacies*. *Journal of EcoBiotechnology*. 2(5), 25-30.
19. Raghavendra, K., Barik, T.K., Adak, T. (2010). Development of adaptive thermotolerance and induced cross tolerance to Malathion insecticide and susceptibility to *Plasmodium vivax* in *Anopheles stephensi*. *Parasitology Research*. 107, 1291–1297. [IF: 2.2].

#### Mr. J. K. Seth

1. **Seth, J. K** and Sahoo, S (2014): First record of isopod parasite, *Nerocila phaeopleura* on the host fish *Rastrelliger kanagurta* collected from Bay of Bengal, Odisha coast, India. *International Journal of Current Research*. 6 (4):6092-6093.
2. **Seth, J. K** and Sahoo, S (2014): First record of *Diagramma pictum* (Thunberg, 1792) from the Odisha coast, India. *Indian Journal of Geo-Marine Science* 43(6):971-973.
3. **Seth, J. K** and Sahoo, S (2013): First record of *Pempheris vanicolensis* Cuvier, 1831 from the Odisha coast, India. *International Journal of Advanced life Science*: 6(3):258-260.



**FACULTY OF HUMANITIES AND SOCIAL SCIENCES**

Department of Economics

### BRIEF PROFILE OF THE DEPARTMENT OF ECONOMICS

1. Name of the Department : **Economics**
2. Year of Establishment : 1972
3. Courses / programmes and Subject Combination Offered: MA, M.Phil, and Ph.D
4. Numbers of teaching posts, Sanctioned - 08 Filled: 04
 

Professor	Reader	Lecturer
01 (2- CAS)	Nil	4(2- CAS)
5. Numbers of Technical Staff Present: 2 (1 asst., 1 peon)
6. Numbers of Students ( Men/ Women ) details
 

Courses	Male	Female	Total
M.A	21	46	65
M.Phil	03	03	06
7. Ratio of Teacher to students : 1: 16
8. Ratio of teacher to Research scholar : 1:8
9. Numbers of Teacher Scholars who have obtained their Master's from other institute :04
10. Number of Teachers in academic bodies of Other Autonomous colleges and Universities: 02
11. Latest revision of curriculum(year): 2015 (CBCS)
12. Number of students passed in NET/SLET etc. (last five year):03
13. Success rate of the students:95%
14. Demand Ratio (No. of Application) :145 (1:4)
15. Awards and recognition received by faculties (last five years): NIL
16. Faculties who have attended Nation/ International Seminars (last five year):  
National-70, International-08
17. Number of National Seminar organized ( Last five Year) :01
18. Number of Teacher engaged in consultancy and revenue generated: 01, Rs.0.22 lakhs
19. Number of ongoing Projects and their total outlay: Nil
20. Research Project completed during last five years and their outlay: Nil
21. Number of inventions and patents: Nil
22. Number of PhD thesis guided during last five year: 09
23. Publication by faculties (last five year): 56
24. Average citation Index and Impact factor of publication:1.0
25. Number of books in Department Library if any: 4800
26. Number of Journals/Periodicals in the Departmental library:200
27. Number of computer in the Department: 10
28. Annual Budget excluding salaries in Rupees : Books-Rs. 1,80,000/-
  - Equipment
  - Books and journals : allotted centrally for all the departments
  - Other contingency
  - Lab. Contingency

### Evaluative Report of the Department

1. Name of the Department : **Economics**
2. Year of establishment : 1972
3. Is the Department part of a School/Faculty of the university?: Faculty of Humanities and Social Sciences
4. Names of programmes offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.): PG, M. Phil. /Pre-Ph.D., Ph.D. and D. Litt.
5. Interdisciplinary programmes and departments involved:  
The faculty members are engaged in inter-disciplinary teaching and research activities with Women's studies, Commerce, Business Administration and IRPM departments of the university.
6. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
7. Details of programmes discontinued, if any, with reasons: Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Semester
9. Participation of the department in the courses offered by other departments:  
The faculty members are engaged in inter-disciplinary teaching activities with Women's studies, Commerce and Business Administration departments of the university.
10. Number of teaching posts sanctioned, filled and actual (Professors/Reader/Lecturer /others):

Post	Sanctioned	Filled-up	Actual (including CAS)
Professor			3
Reader		2	Nil
Lecturer		3	2
Others		Nil	Nil

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D/ M.Phil students guide for the last 5 years
Dr. Nirmal Ch. Sahu	M.A., Ph.D.	Professor	Environmental and Ecological Economics, International Trade & Finance; Economics of Social Sectors	33	Ph.D./D.Litt-11 M.Phil.- 12
Dr. Bhagabata Patro	M.A., M.Phil, Ph.D	Professor	Public Economics, Econometrics, Development Economics	33	Ph.D./D.Litt-10 M.Phil.- 07

Dr.(Mrs.) Amita K. Choudhury ,	M.A., Ph.D.	Professor	Public Finance, Environmental Economics, Health Economics	33	Ph.D./D.Litt-05 M.Phil.- 06
Dr. Bijay K. Panda, Retired on 31.7.15	M.A., M.Phil., Ph.D.	Professor	Microeconomics , Economics Growth and Development, Math. Economics, Econometrics & Applied Econometrics	31	Ph.D./D.Litt-11 M.Phil.- 08
Mr. Bishnu Ch. Behera,	M.A., NET.	Lecturer	Financial Institutions and Market, Indian Economic & Policy	05	nil
Mr. Pabitra Singh,	M.A., M.Phil.NET.	Lecturer	Indian Economic Policy, Mathematical Economics	02	nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors & Visiting Fellows: Nil
13. Percentage of classes taken by temporary faculty programme-wise information: Nil
14. Programme-wise Student-teacher Ratio: M.A. - 6:1; M.Phil.- 2:1 and Ph.D.:8:1
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: Office Asst.- One and Peon- One, Sweeper-1 ( part time)
16. Research thrust areas as recognized by major funding agencies: Tribal Studies, Development Economics, Public Economics and Environmental Economics.
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: Nil
18. Inter-institutional collaborative projects and associated grants received: Nil
  - a) National collaboration: Nil
  - b) International collaboration: Nil
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil
20. Research facility/centre with: Nil
  - State recognition
  - National recognition
  - International recognition
21. Special research laboratories sponsored by/created by industry or corporate bodies: Nil
22. Publications(2010-2015):
  - Number of papers published in peer reviewed journals (national/ international): 54
  - Monographs – Nil

- Chapters in Books : 1
  - Edited Books: 1
  - Books with ISBN with details of publishers : Nil
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.): Nil
- Citation Index– range/average: NA
  - SNIP
  - SJR
  - Impact Factor – range / average
  - h-index
23. Details of patents and income generated: NIL
24. Areas of consultancy and income generated: Consultancy work of Prof. B.Patro with CYSD, Bhubaneswar on State Budget Analysis. Total Income Received is 0.9 lakhs out of which the university will take its share.
25. Faculty selected nationally/internationally to visit other institutions in India and abroad: NIL
26. Faculty serving in
- a) National committees
  - b) International committees
  - c) Editorial Boards
  - d) any other (please specify)
- Prof. N.C.Sahu- Member of Governing Body, COATS, Koraput; Member of Academic Council, Gokhale Institute of Politics and Economics and President, Orissa Economic Association, Bhubaneswar.
- Prof. B.Patro- Member of Pre-Budget Consultative Group Finance Department, Government of Odisha, Bhubaneswar.
- Prof. B.K. Panda- Member of the Editorial board of Synergy - A Journal of IT and Management, Institute of Technology & Science, Ghaziabad, ISSN: 0972-8057 and Member of the Editorial Board of Apeejay Journal of Management, Apeejay Institute of Technology & School of Management, Gr. Noida, UP, ISSN: 0972-8442
27. Faculty recharging strategies (UGC, ASC, Refresher/Orientation programs, workshops, training programs and similar programs): Yes
- i) The senior faculties delivered lecturer as resource persons in Refresher Courses in diff. ASCs.-24
  - ii) The junior faculties attended Orientation Course in diff. ASCs:
    - a) Mr. B.C. Behera has attended an Orientation Course at ASC, Sambalpur University, Burla from 23-02-2013 to 22.03-2013 and also a Refresher Course at ASC, Sambalpur University from 01-11-14 to 21-11-14.
    - b) Mr. P. Singh has attended one Orientation Course, ASC, Shimla, 20-04-2015 to 16.05-2015.
28. Student projects:
- percentage of students who have done in-house projects including inter-departmental projects: 50%
  - percentage of students doing projects in collaboration with other universities/industry/institute: 50%
29. Awards / recognitions received at the national and international level by:
- Faculty : Nil
  - Doctoral/Post Doctoral fellows: Nil
  - Students: Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any:
1. National Level Capacity Building Workshop on May 27, 2012: *Budgetary System of National and Sub-National Governments in India*, Sponsored by UGC, New Delhi; CBGA, New Delhi; and OBAC of CYSD, Bhubaneswar, May 27-28, 2011.
  2. Workshop on Identifying strategies for the selected development Sectors for 12th plan of Odisha; held at Bhubaneswar on 21-22-Nov,2011;Department of Economics in collaboration with OBAC CYSD
  3. Second Census Data Dissemination Workshop on *Census 2011 – Housing, Household Amenities and Assets*, Organised by Department of Economics, Berhampur University in collaboration with Director of Census Operations, Odisha, July 27, 2012
31. Code of ethics for research followed by the departments: As prescribed by UGC
32. Student profile programme-wise:

Year	Name of the Programme	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
2010	M.A.	121	11	21	09	16
	M.Phil.	31	02	02	100%	100%
2011	M.A.	118	12	20	08	16
	M..Phil.	37	01	01	---	50%
2012	M.A.	107	13	19	10	18
	M.Phil.	34	01	02	100%	100%
2013	M.A.	139	13	19	12	14
	M.Phil	32	04	02	100%	100%
2014	M.A.	126	12	20	06	20
	M.Phil.	40	03	06	33.3%	66.7%
	2015 M.A.	147	10	23	-	-

33. Diversity of Students:

Year	Name of the Programme	Percentage of students from the same university	Percentage of students from other university within the state	Percentage of students from university outside the state	Percentage of students from other countries
2010	M.A.	67%	33%	Nil	Nil
	M.Phil.	80%	20%	Nil	Nil
2011	M.A.	56%	44%	Nil	Nil
	M..Phil.	75%	25%	Nil	Nil
2012	M.A.	59%	41%	Nil	Nil
	M.Phil.	100%	--	Nil	Nil
2013	M.A.	53%	47%	Nil	Nil
	M.Phil	100%		Nil	Nil
2014	M.A.	53%	47%	Nil	Nil
	M.Phil.	80%	20%	Nil	Nil



34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise : NET-1
35. Student progression:

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil.	60 per cent of M.Phil. students
PG to Ph.D.	80 per cent of Ph. D. Scholars
Ph.D. to Post-Doctoral	50 per cent of D.Litt. scholars
Employed	
• Campus selection	Nil
• Other than campus recruitment	40 per cent of P.G. & M.Phil. students
Entrepreneurs	About 20 per cent of the students are self-employed

36. Diversity of staff:

Percentage of faculty who are graduates	
Of the same university	83 per cent
From other universities within the State	17 per cent
From universities from other States	Nil
From universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: One - Mr. P. Singh was awarded M.Phil. from Central University, Hyderabad.
38. Present details of departmental infrastructural facilities with regard to
- Library–Seminar Library with 4223 books & 56 journals till 2015
  - B.N Das Foundation Library with the books donated by Late Prof. B.N.Das
  - Internet facilities for staff and students – from 2010 to September 2013
  - Total number of Class Rooms - 3
  - Class rooms with ICT facility – ICT facilities are being used in the class room.
  - Students' laboratories: Computer Laboratory- One
  - Research laboratories: Nil
39. List of doctoral, post-doctoral students and Research Associates:
- from the host institution/university:
  - from other institutions/universities: Nil
40. Number of post graduate students getting financial assistance from the university: Yes
41. Was any need assessment exercise undertaken before the development of new programme(s)?  
If so, highlight the methodology: Nil
42. Does the department obtain feedback from:
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the Department utilize the feedback?  
Feedbacks are obtained from faculties those who handle the paper; inputs were received and incorporated at the time of changes introduced in syllabi. As member of the Board of Studies elicit feedback from the faculty members and students are also incorporated in syllabi.

- (b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?  
Reflected in the curriculum design from time to time; feedbacks are also obtained from students on syllabi and contents of the course. All suggestions were incorporated in the existing syllabi.
- (c) Alumni and employers on the programmes offered and how does the department utilize the feedback? Career counseling and curriculum designing are done by the faculty members
43. List the distinguished alumni of the department (maximum 10)
1. Sri Pramod Kumar Padhy, IES, Government of India
  2. Dr. Ashok Sahu, Ph.D, NITI Ayog, New Delhi.
  3. Dr. M. Misra, Professor, BHU
  4. Dr. Bibhu Data Nayak, NABARD, Bhubaneswar
  5. Dr. Sisir Kumar Sarma, University of Western Ontario, Canada.
  6. Sri S.K. Lenka, Retd. General Manager, Indian Overseas Bank, Bhubaneswar
  7. Smt. Manasi Mohanty IAS (Retd).
  8. Dr. C.D. Panda, MD, GITM
  9. Sri Arun Kumar Padhy, VP, AirTel
  10. Sri Sujata Sahu, OAS (SG), Additional Secretary, RDC (Southern) Office.
  11. Sri Abhyankar Das, ONGC.
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
45. List the teaching methods adopted by the faculty for different programmes ICT enabled & traditional Teaching Method:
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? Interaction and Counseling:
47. Highlight the participation of students and faculty in extension activities:
- Details of UGC-NET Classes Conducted: Three classes per week as reflected in the time Table of each year.
  - Internet Facility to the Department: Internet Facilities to the Dept. Provided to Students, Teachers & Scholar, 2010, 2011, 2012 Up to Oct. 2013 ( Phallin in 2013 disconnected the Net and it is not restored yet)
  - Extension Activities:
    - Students participated in the Blood Donation Camps.
    - Participation of the students in the NSS activities of the University.
    - Active participation of the students in the Swachha Bharta Avijan.
    - Students acted as volunteers for the smooth conduct of Central Zone Youth Festival, 2014.
48. Give details of “beyond syllabus scholarly activities” of the department: Health Care Awareness, Energy Conservation
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. – NAAC -2002,
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. Soft Skill, Budget on Seminar & Visiting Lecturers.

**Best Practice**

- Organization of Seminar on Union Budget every year in the first week of March
- Regular teaching exposure by inviting resource persons beyond the syllabus.

51. Detail five major Strength, Weakness, Opportunities and Challenges (SWOC) of the department:

**Strength**

- Great legacy and reputation
- Active and Disciplined Student Community
- Good Learning Environment
- Qualified and Competent faculty
- Positive support of the management

**Weakness**

- Inadequate middle tier teaching faculty
- Lack of formal linkages with industry
- Inadequate /inter/multi disciplinary teaching and research activities
- Backward hinterland
- Weak lower tier educational institution base

**Challenges**

- Uplifting very weak students to meet global competition
- Retaining the specializations of the department
- Inadequate research scholars to pursue quality research.
- Low economic activities in the surroundings
- Professional recharging of the faculties in the affiliated colleges of the university.

**Opportunities**

- To acquire DSA status at the earliest.
- Intensive coaching in specific career areas like CS, ICWA, CA by networking with the professional agencies.
- Support of the alumni for overall development of the department.
- Expansion of extension activities on development issues.
- Collaborative research with national and international funding agencies.

52. Future plans of the department.

- Undertaking action-oriented collaborative research.
- Organization of entrepreneurship and skill development programmes.
- Exploring the research potential of the faculty, provision of consultancy in revenue sharing mechanism.
- Strengthening the research base of the Department.
- Restarting the publication of the department journal, 'The Kalinga Economic Review'.
- To organise public lecture series on topics of national interest.
- To deliver need-based guidance and coaching to the students
- To train and reorient the economics teachers of affiliated colleges
- To train and reorient administrators and development workers
- To take up need-based extension works.

**RESEARCH PUBLICATIONS (2010-2015)**  
**P. G. DEPARTMENT OF ECONOMICS****Professor N. C. Sahu**

1. Panda, C. D., Sahu, N. C. (2015). Tribal Development Policies in India and Odisha during the Twentieth Century New Horizons in History and Culture, Edited by B. Patra, B. Sahu, S. Nayak and A. Mahapatra. Pratibha Prakashan, Delhi, 200 – 207
2. Panda, L. P., Sahu, N. C. (2015). Forest loss and people's vulnerability in Ganjam district of Odisha, International Journal of Multidisciplinary Research and Development Royal Society of Research and Development, Delhi, Vol. 2, Issue 7
3. Sahu, N. (2014). Community governance of forests for tribal welfare in Odisha Tribal Studies. A Journal of COATS, Council of Analytical Tribal Studies (COATS), Koraput, Odisha, Vol. 2, Issue 1, June, (pp. 5 -17)
4. Mishra, M., Sahu, N. (2014). Industrial Pollution as Threat to Human Health: A Case Study The Social Sector in India: Issues and Challenges, Edited by H. S. Rout. Cambridge Scholars Publishing, UK.
5. Sahu, N. (2014). Environmental Governance and State Pollution Control Boards Issues and Challenges in India, Edited by N. K. Verma. Pvt. Ltd., New Delhi 13 – 43
6. Sahu, N., Mishra, P. C., (2013). Managing Knowledge for Organizational Development Human Development in the New Millennium, Edited by S. Kar, M. A. Roberts and E. Ali, Regal Publications, New Delhi, 88 – 100
7. Sahu, N., Mishra, P. C., (2012). Tourism as an Engine of Sustainable Development in Development Management in the Twenty First Century, Edited by K. Roy and S. Kar. Nova Science Publishers, New York, (pp.91-107)
8. Sahu, N., Mishra, P. C., (2012). Corporate sustainability: Some Indian case studies Management Scenario Pertaining to Sustainable Development, Edited by B. Ghosh and R. L. Basu. Uranus Green Publications, Kolkata
9. Sahu, N., Bahinipati, C. S., (2012). Mangrove Conservation as Sustainable Adaptation to Cyclonic Risk in Kendrapada District of Odisha, India. Asian Journal of Environment and Disaster Management Research Publishing Services, Singapore Vol. 4, No. 2, 183 – 202
10. Sahu, N., Satpathy, J., (2012). Trans-Disciplinary Model for Absenteeism Management. Uttaranchal Business Review A Bi-annual Journal of Uttaranchal Institute of Management, Uttaranchal University, Dehradun, August – Sept. Issue
11. Sahu, N. (2012). Approach to Development of Forest and Environment during the Twelfth Five Year Plan in Odisha Identifying Suitable Strategies for Development Sectors in Twelfth Five Year Plan, Odisha Edited by B. Mohanty, B. Patro and N. Panigrahi. Odisha Budget and Accountability Center (OBAC), Centre for Youth & Social Dev. (CYSD), Bhubaneswar, (pp. 90-101)
12. Sahu, N., Acharya, N. (2011). Recreation value of Bhitarkanika mangrove ecosystem in Orissa. Recreation value of Bhitarkanika mangrove ecosystem in Orissa. The Journal of Social Sciences and Humanities, Berhampur University, Vols. XVII – XVIII of 2009 & 2010,(pp. 125-135)

13. Sahu, N. (2011). Biodiversity and sustainable development in an Indian tribal village ecosystem Environment and Sustainable Economic Development, Edited by R. K. Sen. Deep & Deep Publications, New Delhi,(pp. 186-199)
14. Sahu, N., Mishra, M. (2011). Environmental Economics: A Challenging Area of Research and Teaching. Teaching and Research in Economics, Edited by A. K. Thakur and S. S. Somra, Deep & Deep Publications, New Delhi (pp. 26-36)
15. Sahu, N., Sahu, P., (2011). Keora: A Unique Bio-resource of Coastal Region of Ganjam District Economic Geography and Development, Edited by A. K. Thakur and D. Rawat. Deep & Deep Publications, New Delhi, (pp. 346-359)
16. Sahu, N., Misra, P. C. (2010). Changing Face of Rural Road Infrastructure in Orissa. International referred journal on management issues. International Institute of Management Sciences, Kolkata March, (pp. 24-30)
17. Sahu, N., Bahinipati, C. S. (2010). Trade Liberalisation and Economic Growth: An Analysis of Indian Economy since 1970. Journal of International Economics Institute of Public Enterprises, Hyderabad Volume 1, No. 1, January – June, (pp. 1-13)
18. Sahu, N. C. (2010). Human development and environmental quality: Issues of harmony and conflict Human Development in India: Challenges and Policies, Edited by H. S. Rout and S. B. Murthy. , New Century Publications, New Delhi, (pp. 290-304)

#### **Professor B. Patro**

1. Patro, B. (2014). Identification of key Sectors of the Odisha Economy: an Input-Output Approach with Aditya Patro and A.Panda.(Ed.) by V.V.N.Somayajulu, Indian Economy and Economic Reforms : Economy-wide Studies in Inter-Industry Frameworks Himalaya Publishing House, 32-49
2. Patro, B. (2014). Identification of Linkage between Social Sector Development and GSDP growth in Orissa. Orissa Economic Journal Orissa Economic Association, Bhubaneswar Vol.46; No 1 & 2. 95-105
3. Patro, B. (2014). Co-operative Credit and Agriculture Production Linkage in Odisha: A Study of Efficiency of Koraput Central co-operative Bank. Utkal Economic Papers, Journal of the Department of A&A Economics, Utkal University Vol.17 74-87
4. Patro, B. (2014). Challenges before the Gram Panchayats in Odish-A Study of a Gram Panchayat in Nayagarh District. Published in a Book Ed by Dr. U.C. Panigrahi.
5. Patro, B. (2014). Panchayati Raj Institutions and Rural Management in India(Ed) Mayur Publications, Bhubaneswar,1 -19,
6. Patro, B., Panigrahi, S. (2014), Tribal Agitations and Economic Upliftment of Tribals in Odisha New Horizons in History and Culture–(Ed) Benudhar Patro Pratibha Prakasana, Delhi-7 294-306
7. Patro, B. (2013). State Fiscal Situation and Revenue Potential of Mining Sector in Odisha. Published in a book Padmaja Mishra and Amerandra Das Mining: Economic, Environmental and Social Implications. (Ed). Abhijit Publications, New Delhi. 36-55
8. Patro, B., Sahu (2012). Role of PRIs in Implementing MNREGS in Odisha: A Study of Baliguda Block in Kandhamal District.: Orissa Economic Journal Orissa Economic Association, Bhubaneswar Vol.44, No1&2 81-92.

9. Patro, B. (2012). Challenges to Health Infrastructure Development in the Twelfth Five Year Plan of India –An Inter state Analysis in. Development Perspectives in the Post Reorm Periods: Challenges and Strategies (Ed) By Dr. S.Thirunavukkarsu and Dr. S.N.Sukumar. P.G.and Research Department of Economics, R.K.M Vivekananda College (Autonomous) Chennai 432-444
10. Patro, B., Badaraita, (2010). Socio-Economic Empowerment of Tribal Women in Orissa–A situational Analysis of Naxal-Prone Gajapati District. International Academic Journal of Applied Economics, Post Graduate and Research Department of Economics, Ethiraj College. 65-75

### **Professor (Mrs.) Amita Kumari Choudhury**

1. Choudhry, A. K. (2015). Economic Analysis of State VAT In Odisha, in R.S. Rao (Ed.) 2015), Issues and concerns of Indian fiscal federalism. Associated publisher, Ambala Cant. 286-306
2. Sahoo, H, Choudhury, A and Choudhury, A. K. (2013). Growth and Pattern of Health Care Expenditure in Orissa, in L.N. Das (ed.) Health and Economic Development: Challenges and opportunities. Regal Publication, New Delhi. , 202-232.
3. Mishra, M. And Choudhury, A. K. (2012). Climate Change, Environmental Pollutions and Prospects of Sustainable Power Sector Development in Orissa. In A.K.Thakur and M.K. Sinha, (ed.), Climate Change and Environment. Regal Publication, New Delhi. , 317-330
4. Patnaik, R, Behera, B. C. and Choudhury A.K. (2011). Conservation and Pro-Poor Tourism: Study of an Indian Village in and around Chilika Lake, Orissa. Prajnanubhuti, Vol. XIX, , (forthcoming).
5. Mishra, M. And Choudhury, A. K. (2010). Climate change, environmental pollution and prospects of sustainable power sector development in Orissa. The Indian Economic Journal, Special Issue Vol, 65-73.
6. Mishra, P. K. And Choudhry, A (2010). Solid waste and pesticide use; A Threat to Farmer's Health in Rural Orissa in N. Manonmoney(Ed.).

### **Professor B. K. Panda**

1. Panda, B. K., Behera, B. C. (2013): Health and Nutritional Status of Tribals in Orissa. Research Journal of Berhampur University, Vol.2
2. Panda, B. K., Sarangi, P. (2013): Effect of Age of the Household Head on Household Consumption in Orissa, Productivity.
3. Panda, B. K., (2013): Heath Status of Tribals in Orissa, in L.N. Das (ed) Health and India's Economic Development: Challenges and Opportunities, Synergy Books India, New Delhi, 185-201.
4. Panda, B. K., (2013): Analysis of Sen's Poverty Measures, In A.K. Thakur and A. Bhardwaj (ed.) Amartya Sen and Human Development, Deep and Deep Publications Pvt., New Delhi, 36- 63.
5. Panda, B. K., Panigrahy, S.K. (2012): Empirical Analysis of Occupational Variation in Household Consumption of Orissa. Research Journal of Berhampur University, Vol.1,176 - 90.



6. Panda, B. K., Das, S.R. (2012): Emerging Pattern of Women Employment: An Interstate Analysis. *The Indian Economic Journal*, Special Issue, Dec 451-457
7. Panda, B. K., (2012): Effect of Age of the Household Head on Household Consumption in Orissa. *Journal of Consumer Behaviour*, Vol. 7 No.1,17-24.
8. Panda, B. K., Behera, B. C. (2012): Impact of Globalization on Growth and Performance of Small Enterprises in Odisha. *The Utkal Business Review*, Vol. XXV, 198-216
9. Panda, B. K., Sarangi, P. (2012) Household Demand Pattern of Major and Minor Durables. *Business Prospective* Vol.11, No 1 & 2 (BIMTEC), 37-46.
10. Sarangi, P., Panda, B. K., (2011): Measurement of unit consumer scales with reference to household size, age, gender and occupation-sex composition and occupation. *The IUP Journal of Management Research*, Vol X, No.2, April, 53-72.
11. Panda, B. K., (2011): Structure of unemployment in Orissa, *Cultural Heritage of Orissa* Vol.III, March,154-169.
12. Dash, M. K., Panda, B. K. (2010). Comparative Empirical Analysis of Occupational and Motivational Differences of Different Generations in Indian Workforce, *International Journal of Business Research*, International Academy of Business and Economics, USA, Vol. 10, No.6, 103-118.
13. Panda, B.K., Panda, S. S. (2010) Structural Reforms and Performance of Small Enterprises in Orissa , *Apeejay Journal of Management*, Vol.3, No. 1, Summer
14. Dash, M. K., Panda, B. K. (2010): Inter-income Group and Inter-temporal Variation in Consumption Patterns of Orissa, *Synnergy - A Journal of IT and Management*, Vol.8, No.1, pp.1-18.
15. Panda, B. K., Dash, M. K., (2010): Empirical Analysis of Occupational and Motivational Variations among Different Generations in Indian workforce. Vol.XXVIII, No.2, *Abhigyan*, New Delhi, 17-36.
16. Panda, B. K., (2010). Analysis of Sen's Poverty Measures: Traditional, Axiomatic and Ethical Approach. *The Indian Economic Journal*, Special Issue, December, 58-75.
17. Sarangi, P., Panda, B. K., (2010): Atkinson's Informative Measure for Measuring Inequality in Living Standards, *Finance India*. Vol. XXIV, No.4, December
18. Panda, B. K., (2010) Productivity Growth of Manufacturing Sector in India: An Inter-State Analysis, in P. Sarangi, D.M. Mahapatra and S.K. Dash (Eds.), *Innovations in Management Science*, Global Research Publication, New Delhi, 3-16.

### **Mr. Bishnu Charan Behera**

1. B.K. Panda, B.C.Behera (2013). Health and nutritional Status of Tribals in Orissa. *Research Journal of Berhampur University*, Vol.2 (Forthcoming).
2. B.K. Panda, B. C. Behera (2012). Impact of Globalization on Growth and Performance of Small Enterprises in Odisha. *The Utkal Business Review*, Vol.XXV, 198-216.
3. A.K. Choudhury, B.C. Behera (2011). Conservation and Pro-Poor Tourism: Study of an Indian Village in and around Chilika Lake. *Orissa, Research Journal of Berhampur University*, Vol.1, .127-144.



Department of English

### BRIEF PROFILE OF THE DEPARTMENT OF ENGLISH

1	Name of the Department	: <b>English</b>
2	Year of the Establishment	: <b>1969</b>
3	Courses/Programmes and Subject combinations offered	: <b>M.A., M.Phil., Ph.D.</b>
4	Number of teaching posts Sanctioned Filled	: <b>Sanctioned: 6, Filled: 04</b>
5	Number of Technical Staff present	: <b>Nil</b>
6	Number of Students ( Men / Women) Give Details Course Wise	<b>M.A(Part I): Male: 13, Female: 14 M.A(Part II): Male: 12, Female: 10 M.Phil.: Male: 05, Female: 03</b>
7	Ratio of Teacher to Students	: <b>1:14</b>
8	Ratio of Teachers to Research Scholars	: <b>1:4</b>
9	Number of Teachers/Scholars who have obtained their master's degree from other institutions	: <b>Teacher : 03, Scholar : 01</b>
10	Number of Teachers in Academic Bodies of other Autonomous Colleges and Universities	: <b>02</b>
11	Latest revision of the curriculum ( year)	: <b>2015</b>
12	Number of student passed in NET/ SLET etc. ( last 5 years)	: <b>01</b>
13	Success Rate of Students	: <b>90%</b>
14	Demand Ratio ( No. of application)	: <b>1:4</b>
15	Awards and recognition received by faculty ( last 5years)	: <b>Dr Shruti Das has been enlisted in the Bibliography of Commonwealth Literature 2014 for Debut Vol. <i>A Daughter Speaks.</i></b>
16	Faculty who have attended National/ International Seminars ( last 5 years) (numbers only)	: <b>4</b>
17	Number of National Seminars Organize ( Last 5 years)	: <b>03</b>
18	Number of Teachers engaged in consultancy and the revenue generated	: <b>Nil</b>
19	Number of Ongoing projects and their total outlay	: <b>Nil</b>
20	Research project completed during last five years & their Outlay	: <b>Nil</b>
21	Number of inventions and patents	: <b>Nil</b>
22	Number of Ph. D theses guided during the last five years	: <b>04</b>
23	Publication by faculty ( last five years)	: <b>68</b>
24	Citation index and impact factor of publication (Range)	: <b>3-4.6</b>
25	Number of Books in the Department library, if any	: <b>5234</b>
26	Number of Journals / Periodicals in the departmental library	: <b>24 Titles (shelved in the Central Library)</b>
27	Number of Computers in the department	: <b>Desktop 6, Laptop 4</b>
28	Annual Budget ( Excluding Salary) In Rupees	: :
	➤ Equipment	: <b>Books Rs.1,80,000</b>
	➤ Books and Journals	: <b>Allotted centrally for all the departments</b>
	➤ Other contingency	
	➤ Lab. Contingency	: <b>2000/-</b>

### Evaluative Report of the Department

1. Name of the Department : **English**
2. Year of establishment : 1969
3. Is the Department part of a School/Faculty of the university? : School of Humanities and Social Sciences.
4. Names of programmes offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.): PG, M. Phil., Ph.D, and D.Litt.
5. Interdisciplinary programmes and departments involved: Add-on Course in Communicative English. The Depts. like Political Science, IRPM, J&MC and Computer Science are involved.
6. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
7. Details of programmes discontinued, if any, with reasons: Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System : Semester in Traditional and CBCS System
9. Participation of the department in the courses offered by other departments : Allied Elective courses are introduced under CBCS
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	No	CAS-01
Associate professor	02	02	02
Asst professor	03	01	02

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
Dr. Ram Narayan Panda	M.A, M. Phil; Ph.D	Professor	Literary and Critical theories, American Literature, Creative Writing and Translation	33 years	Ph.D.-: 05 M. Phil:-: 10
Dr. Balabhadra Tripathy	M.A, M. Phil Ph.D	Reader	Literary and Critical theories, American Literature, Indian Literature	27 years	Ph.D.-: 06 M. Phil:-: 10
Dr. Shruti Das	M.A, M. Phil; Ph.D	Reader	Literary and Critical theories, Registance literature, British & American literature, Creative Writing, Translation, linguistics & ELT	26 years	Ph.D.-: 06 M. Phil:-: 09
Dr T.Eswar Rao	M.A; Ph.D	Lecturer	Indian , British and American Literature,	17 years	Ph.D.-: 01 M. Phil:-: 03

## 12. List of senior Visiting Fellows, adjunct faculty, emeritus professors :

**Visiting Fellows**

- Raghu Nath Senapati. Retd. Reader in English, 2012, 2014-15- Teaches British Drama, Poetry and Indian Fiction.
- Dr. Binod k Samantray. Retd. Reader in English, 2012, 2015- Taught British and American Literature, Drama and Modern Poetry.
- Dr Deba Prasanna Mahapatra, Retd. Reader in English, 2009-10. Taught British and American Literature, Drama and Modern Poetry.

**Adjunct Faculty**

- Mr Chandramani JRF. 2015- Teaches British Literature
13. Percentage of classes taken by temporary faculty – programme-wise information: M.A: 20%, M.Phil:0%
14. Programme-wise Student Teacher Ratio : M.A : 15:1, M.Phil : 2:1
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: Sanctioned- 02; Actual- 02.
16. Research thrust areas as recognized by major funding agencies : Nil
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise : Nil
18. Inter-institutional collaborative projects and associated grants received : Nil
- a) National collaboration                      b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil
20. Research facility / centre with
- State Recognition : ✓
  - National Recognition : ✓
  - International Recognition : ✓
21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil
22. Publications:
- Number of papers published in peer reviewed journals (national / international) :49
  - Monographs : 01
  - Chapters in Books : 07
  - Edited Books : 02
  - Books with ISBN with details of publishers: 06

**Prof. R.N Panda:**

1. *A Long Sigh of Silence* (Poems), Authors Press, New Delhi, 2014, ISBN:978-81-7273-848-8
2. *A Quest for the unicorn: Rereading of the Plays of Tennessee Williams*. Berlin: VDM Publishing Co., 2011.

**Dr. Shruti Das:**

1. Contemporary Communicative English. S. Chand Publications, New Delhi, 2009.Rpt.2010, 2013. Revised Edition- 2014. ISBN: 978-81-219-3169-4
  2. A Daughter Speaks: A Collection of Poems. Authors Press, New Delhi, 2013. ISBN: 978-81-7273-801-3
  3. Lidless Eyes (Anthology of Poems) Partridge India (A Penguin Random House Publication), 2015. ISBN: 978-1-4828-4856-4
  4. Language Learning Skills: Teachers' Perception. Authors Press, New Delhi, 2015. ISBN: 978-93-5207-070-1
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : 20
  - Citation Index – range / average : 1-4.6
  - SNIP :
  - SJR:
  - Impact Factor range / average : 1-5
  - h-index :
23. Details of patents and income generated : Nil
  24. Areas of consultancy and income generated : Nil
  25. Faculty selected nationally / internationally to visit other laboratories / institutions industries in India and abroad :

**Dr. Shruti Das** was selected to visit and

- Present a paper in the International Symposium on “Imaginary Europes”. *University of Portsmouth* UK. Paper: “Dialectics of Perception”. 13 Sept 2012.
  - Participate and present papers in Conferences in the University of Cergy- Pontoise, in Paris, France in 2013 and 2014.
  - Chair a session and Present a paper in the International Conference on ‘Ireland and Ecocriticism’ at *University College Cork*, Ireland. Paper: “*Nationalism, Ecofeminism and W.B.Yeats*”. 19-21 June 2014.
  - Chair a Session and Present a Paper in the International Conference on ‘Re-Thinking Democracy in Literature, Language and Culture’ at *Aristotle University, Thessaloniki*, Greece. Paper: “*Problematized Democracy and Human Rights: Reading the Good Muslim*”. 15-17 May 2015.
  - Participate and Present a Paper in the International Conference on ‘The Commonwealth and its People: Diasporas, Identities, Memories (DIM2015)’ at *University of Malta, Malta*. Paper: “*Forgetting for Getting a Better Life: Jhumpa Lahiri’s Lowland –An Analysis*”. 24-26 June 2015. (as part of the preparations for the People’s forum of the Commonwealth Heads of Government Meeting).
26. Faculty serving in
    - a) National committees b) International committees c) Editorial Boards d) any other (please specify) :

**Dr. Ram Narayan Panda**

- Member Board of Directors, American Biographical Society.
- Regional Director, Association of Studies In Literature And Environment.(ASLE)
- Editor, Research Journal Of English Language And Literature(RJELAL)
- Member Board of Editors, Literary Oracle.

**Dr. Shruti Das**

- Member International Advisory Board, *European Academic Research: International Multidisciplinary Research Journal*. ISSN L 2286-4822, 2013
- Member Board of Directors ( DHE Nominee), Computer Point Group of Institutions for BCA & MBA 2013
- Member Scientific Committee in the *3rd Sidi Bel Abbas Inter/national Conference on EFL / TEFL and Intercultural Understanding* 19-20 November 2014, UDL OF SIDI BEL ABBÉS, ALGERIA Faculty of Letters, Languages and Arts, Department of Foreign Languages. Section of English
- Placed in the Select Bibliography of Commonwealth Literature among Distinguished Commonwealth Writers 2012-2014. For first volume of Poetry: *A Daughter Speaks*. Published by AuthorsPress, 2014. List prepared by Sage Publications, UK, 2014.
- Editor, Research Journal Of English Language And Literature(RJELAL)
- Member International Advisory Board Journal of HERSO
- Chief Editor Literary Oracle, a peer reviewed journal of English language and literature.
- Editor, Nilakantha: A bilingual Journal of Nilakantha and his Contemporaries.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs). :

Faculty regularly attend UGC Refreshers, workshops and Improvement Programs both as Participants and Resource Persons.

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects : In house Projects 50%
- percentage of students doing projects in collaboration with other universities industry / institute : Nil

29. Awards / recognitions received at the national and international level by Faculty: i) Dr. Shruti Das is placed in the Select Bibliography of Commonwealth Literature among Distinguished Commonwealth Writers 2012-2014. For first volume of Poetry: *A Daughter Speaks*. Published by Authors Press, 2014. List prepared by Sage Publications, UK, 2014. ii) Dr Shruti Das has been placed in the Directory of Scholars, American Literature Association, and Princeton University, USA. 2015.

- Doctoral / post doctoral fellows : Nil
- Students : Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any.
1. National Seminar on “Wife Mother and Terrible Mother in the Poetry and Plays of W.B. Yeats” 26.3.2010. Funded by USEIF, Kolkata.
  2. International Lecture Programme On “Post Colonialism And World Literature” held on 12 November 2012. Funded by Berhampur University.  
Professor Sissy Helff, Professor of English, Goethe University, Frankfurt, Germany was the Resource Person
  3. International Lecture Programme On “Tribal Studies: India and America” was held on 18 Jan 2013. Funded by USEIF.  
Fulbright Alumnus Prof. Carole Barrett delivered the Lecture.
  4. National Seminar on ‘Postmodernism in Literature’. Berhampur University. 30-31 Jan, 2013. Funded by UGC.  
Mr Tuhin Sanyan was awarded the Biyotkesh Tripathy Trophy for the Best Presentation during the Seminar.  
Prof. Sukhbir Singh, Prof. Emeritus, English, Osmania University delivered the Keynote Address.
  5. Seminar on “American Puritanism”, on 20 July, 2015. Funded by the Department of English.  
Prof. A Karunakar, Director of Osmania University Center for International Programs, delivered the Keynote Address.
31. Code of ethics for research followed by the departments: As prescribed by Modern Lanuage Association, USA.
32. Student profile programme-wise: **2010:**

Name of the Programme	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A.	130	06	18	96%	96%
M.Phil.	32	02	03	100%	100%

Student profile programme-wise: **2011**

Name of the Programme	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A.	81	11	12	96%	96%
M.Phil.	32	01	03	100%	100%



## Student profile programme-wise: 2012:

Name of the Programme	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A.	73	07	17	96%	96%
M.Phil.	32	04	04	100%	100%
Ph. D.	13	04	09	100%	100%

## Student profile programme-wise: 2013:

Name of the Programme	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A.	73	13	11	96%	96%
M.Phil.	32	04	04	100%	100%
Ph.D	Nil				

## Student profile programme-wise: 2014:

Name of the Programme	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A.	79	14	10	96%	96%
M.Phil.	49	04	04	100%	100%
Ph.D	01	01		100%	

## 33. Diversity of students

Name of the Programme	% of Students from the Same University	% of students from other universities within the State	% of students From Universities outside the State	% of students from other countries
M.A.	75%	25%	0%	0%
M.Phil.	75%	25%	0%	0%
Ph.D	70%	25%	05%	0%

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Defense services : 01

NET : 01 (Mr Chandramani, 2014, RGNF at present)

SET : 01 ( Prajna Paramita Mohanty, 2014)

## 35. Student progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil.	25%
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	0%
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Placement through contact</li> <li>• Government notification</li> </ul>
Entrepreneurs	<ul style="list-style-type: none"> <li>• Corporate</li> </ul>

## 36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	01
From other universities within the	03
State from universities form other	Nil
State from universities outside	Nil
The country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : NIL

## 38. Present details of departmental infrastructural facilities with regard to

- a) Library : 5000 books approx in the seminar library
- b) Internet facilities for staff and students : Available
- c) Total number of class rooms : 03
- a) Class rooms with ICT facility : ICT facilities are being used in the class room.
- b) Students' laboratories : Nil
- c) Research laboratories : Nil

## 39. List of Doctoral, post-doctoral students and Research Associates

a) from the host institution/university

Doctoral 2012

- Artrana Panigrahi
- Bijaya ku Khatai
- Pranati Patra
- Amrut Phalguni Mohanty
- Dipti Ranjan Lenka

Doctoral 2014

- Rutuparna Sahu
- Anjali Hembram
- G. Alekha Pardhan
- Sibani Gantayet

- Rashmi Ranjan Senapati
- Swayam Prava Muduli
- Sasmita Biswal
- Subharanka Sarangi
- Madhusmita lenka

b) From other institutions/universities  
Doctoral 2012

- A.P. Mahonty
- Ayesha Tasnim
- Bhabana Sathpathy

Doctoral 2014

- M .Surya Rao
- Minu Nanda

40. Number of post graduate students getting financial assistance from the university: Nil
41. Was any need assessment exercise undertaken before the development of new programme(s)?  
If so, highlight the methodology. :Yes
- a) Discussion in the Staff Council.
  - b) An assessment in the BOS.
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? : yes.  
The feedback helps for further changing the curriculum to benefit the students better and to make it more jobs oriented.
  - b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? :No
  - c. Alumni and employers on the programmes offered and how does the department utilize the feedback? No
43. List the distinguished alumni of the department (maximum 10)
1. Dr Prasanna Patsani, Eminent Poet and Legislator, Hon'ble MP.
  2. Prof. Soubhagya K Mishra, Eminent poet, Sahitya Akademi Awardee
  3. Prof. Amulya Purohit, Ex Director HE, Odisha.
  4. Prof. Prafulla K Mohanty Sahitya Akademi Awardee.
  5. Kumud Parichha Pattnaik, Commissioner Income Tax.
  6. Prof Dilip K Das, Eminent Scholar, Prof of Cultural Studies, EFLU.
  7. Prof. Bijay Kumar Danta, Prof. of English Tejpur University, Assam.
  8. Mr Ramesh Patnaik, Editor Orissa Post.
44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts.
- I. International Lecture Programme on "World Literature" and "Post colonialism".  
Berhampur University. 11 Nov, 2012
  - II. International Lecture Programme on "Myth and American literature with USIEF Fulbright lecturer Carole Barrett as the resource person" and "Post colonialism".  
Berhampur University. 18 Jan, 2013

45. List the teaching methods adopted by the faculty for different programmes.
- Direct class room teaching
  - Audio Visual method
  - Regular counseling through proctorial system
  - Class room seminar presentation
  - Question answer correction / Tutorial Method
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? : Periodical assessment is done.
47. Highlight the participation of students and faculty in extension activities.  
Extension activity done through “Swachha Bharat”: Literary moment in schools of neighbouring villages by students of the department.
48. Give details of “beyond syllabus scholarly activities” of the department.
- Soft skill and communicative English lectures delivered by faculty in other institutes across the states.
  - Inauguration of poetry books by Hon’ble Vice Chancellor BU and students of the Department:
    - A Daughter Speaks* by Dr Shruti Das
    - A Long Sigh of Silence* by Prof R N Panda
  - Wall Magazine COROLLA ( with poetry from Alumni) published Quarterly
  - Wall magazine showcasing creative output by students
  - Eco-Reading Club organized by students
  - Film club showcasing text to movie films
  - Career Counseling
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. : No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. :
- This is done through
- Preparation of text books by Faculty of the department.
  - Editing Peer-reviewed Journals and publication of articles by teachers in journals, Books of national and International repute.
  - Imparting training in Soft-Skills and Communicative English in home and other institutions across the State.
  - Preparation of syllabus by teachers as member Board of Studies of various Autonomous Colleges and Universities
51. Detail five major Strength, Weakness, Opportunities and Challenges (SWOC) of the department.
- Strength**
    - Department has a Seminar library and reading room
    - Emphasis on Multicultural Literature
    - Academic diversity with Literature, Linguistics and ELT
    - Regular Student-teacher Interaction and bonhomie.
    - Regular Career counseling and Mentoring of Students
  - Weakness**
    - Inadequate funding
    - lack of adequate teaching staff and Hi-Tech infrastructure

- Inadequate sitting space for Teachers.
- The Dept does not have a Seminar Hall and rooms for Extra-scholarly activities
- Non skilled administrative staff.

**Opportunities**

- Diversity of curriculum leads to diversity of research
- Committed faculty lead Research scholars' work on diverse topics
- Faculty with International exposure
- Faculty with expertise on Post Modern literary theory
- Studies on Eco-Feminism and other latest areas of interest

**Challenges**

- Completion of teaching assignments with inadequate teaching faculty
- Ensuring high quality research without institutional funding
- Meaningful extension activities with lack of student Laboratories
- Regular placement of students is difficult as entry level competence in the subject is inadequate owing to students' tribal and BPL background.
- Majority of the students are women and from conservative background.

## 52. Future plans of the department.

- Curriculum modernization and regular audio-visual teaching
- Greater Infrastructural Development of the Dept.
- New avenues of UGC assistance
- Smart class-rooms.

**RESEARCH PUBLICATIONS (2010-2015)**  
**DEPARTMENT OF ENGLISH**

**Professor Ram Narayan Panda**

1. Panda, R. N. (2014). Tennessee Williams' Cat on a Hot Tin Roof and Summer and Smoke: A Study in Sexual Difference. *The IUP Journal of English Studies*, 9(2), (49-55), Indexed in Elsevier, Google Scholar.
2. Panda, R. N. (2014). Derrida, Barthes, and Perspectives on Intertextual Reading, *Research Journal of English Language and Literature (RJELAL)*, 2(02), (152-156) IF-4.67.
3. Panda, R. N. (2014). *A Long Sigh of Silence (Poems)*. New Delhi: Authors Press.
4. Panda, R. N. (2013). Sexual Difference in Tennessee Williams' the Night of the Iguana" *Interdisciplinary Journal of Literature and Language*, 01(01), 173-178.
5. Panda, R. N. (2012). In the Hermeneutic Code: Unsolved Enigmas in the Plays of Tennessee Williams: In the Hermeneutic Code. *ICFAI Journal of English Studies*, 7(01), (24-31).
6. Panda, R. N. (2012). Milton's 'Ode on the Morning of Christ's Nativity' and Keats' 'Ode to Psyche': Intertextuality of Poetic Discourse. *ICFAI Journal of English Studies*, 7(03), (7-13), Indexed in Elsevier, Google Scholar.
7. Panda, R. N. (2011). *A Quest for the Unicorn: Rereading the Plays of Tennessee Williams*. Berlin: VDM Publishing Co.
8. Panda, R. N. (2011). *Modern American Drama in a Topos: A Study*. *Literary Insight (A Refereed International Journal)*, 2, (64-69).

**Dr. Balabhadra Tripathy**

1. Tripathy, B. (May, 2015). Sam Shepard's The Tooth of Crime and the Melody of Power. *Drishti: the Sight*, 66-70. ISSN – 2319-8281
2. Tripathy, B. (Dec 2014). The New Against the Old: An Existential Crisis. *Remarking*, 58-59. ISSN-2394-0344
3. Tripathy, B. (Oct 2014). The Crisis Of Transition In Tennessee Williams' A Streetcar Named Desire. *Remarking*, 26-27. ISSN-2394-0344
4. Tripathy, B. (2014). Raja Rao and the Miracle of Indian English. *Journal of The Odisha Association for English Studies*, 136-140. ISSN-2249-6726
5. Tripathy, B. (April 2014). Humanism and Feminism: A Study of Margaret Laurence's Writings. *Shrinkhala*, 50-51. ISSN-2321-290X
6. Tripathy, B. (November 2013- April 2014). The Musical Patterns in Sam Shepard's Plays. *Drishti: The Sight*, 77-79. ISSN-2319-8281
7. Tripathy, B. (July 2013). The Crisis of Transition in Anton Chekhov's The Cherry Orchard. *Contemporary Discourse*, 237-242. ISSN-0976-3686
8. Tripathy, b. (Jan 2012). The society in Transition: A comparative study of A Streetcar Named Desire and The Cherry Orchard. *Contemporary Discourse*, 327-330. ISSN-0976-3686
9. Tripathy, B. (Dec 2011). The Mythic Structure of the Man-Eater of Malgudi. *Rock Pebbles*, 159-162. ISSN-0975-0509
10. Tripathy, B. (Oct 2011). The Society in Transition. *Labyrinth*, 182-185. ISSN-0976-0814

11. Tripathy, B. (October-December 2011). The Indian Narrative Tradition and Raja Rao's Kanthapura. *Contemporary Vibes*, 34-35. ISSN- 0975-1750
12. Tripathy, B. (2011). Sam Shepard and the Myth of American West. *Contemporary Vibes*, 274-277.
13. Tripathy, B. (Mar 2010). Man-Woman Relationship in Sam Shepard's Plays. *Prajnanabhuti: The Journal of Social Science and Humanities*, 153-161.

### Dr. Shruti Das

1. Das, S. (2015), *Indian Poetics of Theatre and Musical Treatises*, (Section-3), Content Writing for UGC E-PG Pathsala
2. Das, S. *Literary Oracle: A refereed, Peer Reviewed Journal of Literary Insight*. ISSN: 2348 – 4772
3. Das, S. *Nilakantha: A Multidisciplinary, bi-lingual Research Journal of Writings on Pandit Nilakantha Das and his Contemporaries*.
4. Das, S. (2015). *Lidless Eyes (Anthology of Poems)*. Partridge India: A Penguin Random House Publication. ISBN: 978-1-4828-4856-4
5. Das, S. (2015). *Language Learning Skills: Teachers' Perception*. New Delhi: AuthorsPress. ISBN: 978-93-5207-070-1
6. Das, S. (2015). *Intertextual Study of Limbale's Aesthetics. Subaltern Speaks: Selected Essays on Sharankumar Limale* Ed. Jayadeep Sarangi. Allahabad: Cyberwit.net Publications. ISBN:978-81-8253-572-5
7. Das, S. (2015). *Language as a Badge of Nationalism*. ICAFI Journal of English Studies. Print. ISSN:0973-3728, Indexed in Elsevier, Google Scholar.
8. Das, S. (2015). *Draupadi—A Changing Cultural Image Labyrinth: An International Journal of Postmodern Studies*. ISSN: 0976-0814.
9. Das, S. (2015). *Toni Morrison's Paradise and the question of Feminine Cohesion. Reflections: A Journal of English Studies*. Print.
10. Das, S. (2014). *Contemporary Communicative English*. New Delhi: S. Chand Publications. ISBN: 978-81-219-3169-4
11. Das, S. (2014). *Let the Centre Look for Me: Toni Morrison Negotiates the Margins'. Negotiating Margins: African American and Dalit Writings*. (Ed.), A. Karunakar (Ed.), New Delhi and Sydney: Prestige Books International,. ISBN- 978-9382-186458
12. Das, S. (2014). *Draupati Respond Au Mahabharata Dans Yajnaseni De Pratibha Ray" in A Rebours: Une Autre Mondialisation, Luttés et Identities*. (pp. 221-224), Karima Zerouali (Ed.), Paris: L'Harmattan. ISBN 978-2-343-03908-4
13. Das, S. (2014). *Mo Kahani – The Memoir of Kunja Bihari Dash: A Portrait Gallery of Premodern Rural Odisha" Orissa Review LXXI No. 5. Dec 2014. 10-16. ISSN 0970-8669*
14. Das, S. (2014). *Ireland and W.B. Yeats an Ecofemenistic Connection*. *Research Journal of English Language and Literature*. Vol. 2.4, 2014. 117-123. ISSN:2395-2636(P):2321 – 3108(E) Impact Factor: 1.107 (2014)
15. Das, S. and Tanuja K Nayak (2014). *Indian Philosophical Thoughts and the Shaping of W. B. Yeats*. *Research Scholar: An International Refereed e-journal of Literary Exploration* Pgs-333-338. ISSN 2320-6101. Web. [www.researchscholar.co.in](http://www.researchscholar.co.in) <http://www.researchscholar.co.in/downloads/49-dr.-shruti-das.pdf>. IF: 0.998 (IIFS)



16. Das, S. (2014). Self as Extended Metaphor: The God of Small Things. GJELL. Vol 2.2. ISSN 2320-4397 Website: <https://sites.google.com/site/globaljournalofell/>
17. Das, S. (2014). Problematics of Bonding in Toni Morrison's Paradise. Research Journal of English Language and Literature. ISSN:2395-2636(P):2321 – 3108(E) IF:4.67
18. Das, S. and Bishnu PG Mahapatra (2014). Acquisition for Effective Speaking Skill for the Second Language Learners of English: Issues and Challenges. The Criterion: An International Journal in English.
19. Das, S. (17-18 Jan. 2014). Arundhati Roy's The God of Small Things – An Autobiographical Fiction. Conference Proceedings of National Conference On Writing the Self: Autobiography as a Cultural and Historical Discourse. Department of English Ravenshaw University, Odisha.
20. Das, S. (2013). A Daughter Speaks: A Collection of Poems. New Delhi: AuthorsPress. ISBN: 978-81-7273-801-3
21. Das, S. (2013). Un Programme Scolaire Multireligieux Pour Une Seculariste: La Restructuration Du National Curriculum Framework Indien En 2005. in Education Et Secularisme : Perspectives Africaines et Asiatiques. (pp. 49-68), Evelyn Harquart-Turner and Ludmila Volna (Ed.), Paris: L'Harmattan. ISBN 978-2-343-01916-1
22. Das, S. (2013). Against Odds: Identity and Survival - South Asian Literature in English. EUROPEAN ACADEMIC RESEARCH, VOL. I, ISSUE 7. ISSN 2286-4822, ISSN-L 2286-4822 IMPACT FACTOR: 3.4546 (UIF), DRJI VALUE: 5.9 (B+). pp. 1570 – 1585. [www.euacademic.org](http://www.euacademic.org)
23. Das, S. (2013). Dialectics of Perception: Europe as a Sub-text in Arundhati Roy's The God of Small Things". ICFAI Journal of English Studies. 8.4. Print. ISSN:0973-3728, Indexed in Elsevier, Google Scholar.
24. Das, S. (2013). Linguistic Regionalism and Status of English in South Asia. Journal of Higher Education and Research Society: A Refereed International. Vol I, Issue 1, ISSN 2321-9432. Web. [www.herso.org](http://www.herso.org)
25. Das, S. (2013). Multi-Faith Curriculum for Secular Education: Restructuring the National Curriculum Framework 2005. Asian Resonance: A Peer-reviewed Multi-Disciplinary International Research Journal. Volume II, Issue 3. Pgs 160-165. ISSN No. 0976- 8602. Print.
26. Das, S. (2013). Subversive Politics of Racism in Toni Morrison's The Bluest Eye.' Research Scholar: An International Refereed e-journal of Literary Exploration. Vol. 1.3. ISSN 2320-6101. Impact Factor: 0.998 (IIFS) Web. [www.researchscholar.co.in](http://www.researchscholar.co.in)
27. Das, S. (2013). Critique of Anglophilic Nostalgia in Arundhati Roy's The God of Small Things.' Contemporary Discourse. Vol 4.2. ISSN 0976-3686.
28. Das, S. (2013). Sweeping away footprints: Untouchables then and now'- Looking through Arundhati Roy's The God of Small Things.' Global Journal of English Language and Literature. Volume 1. Issue 2. ISSN 2320-4397 Website: <https://sites.google.com/site/globaljournalofell/>
29. Das, S. (2013). Toni Morrison Challenges Marginality. Labyrinth: An International Journal of Postmodern Studies. ISSN: 0976-0814. Print.
30. Das, S. (2013). Past Significance and Present Meaning in Fakir Mohan Senapati's Rebati. Orissa Review. Vol. LXIX no.6. ISSN 0970 -8669. Print

31. Das, S. (13th September, 2012). Dialectics of Perception: Europe, a Subtext in Arundhati Roy's *The God of small Things*. Proceedings of International Symposium on Imaginary Europes. University of Portsmouth, UK.
32. Das, S. (2012). A secondary World for Children in Pandit Nilakantha Das's *Konarke*. *Creative Writing and Criticism*. 9.2. pp. 112-118. ISSN 0975-2390
33. Das, S. (2012). *Claiming Identity: The Female Voice in the Poetry of Nandini Sahu*. *IJLL*, ISSN 2278-9170
34. Das, S. (2012). *Politics of Feminist Narrative in Nandika Kesari*. *Muse India*. Issue 46. ISSN 0975-1815. Web
35. Das, S. (Dec 2012). *Let the Center look for me: Toni Morrison Negotiates Margins*. Proceedings of International Seminar on Negotiating Margins: African American and Dalit Writings, (pp. 17-19). Osmania University Center for International Programmes, Hyderabad.

### **Dr. Tuta Eswar Rao**

1. Rao, T. E., (2015). The elements of imperialism as explored in *Heart of Darkness* *New Literary Horizons*, 107-111, ISSN No. 2278-8255
2. Rao, T. E., (2015). A Study of Psychotic Marriage Relationship in the Play of John Osborne's *'Look Back in Anger'* *The Literary Herald*, 98-103, ISSN No. 2454-3365
3. Rao, T. E., (2015). "Untouchability is a Blot on Hinduism" *Mulk Raj Anand's Untouchable* *International Journal of Applied Social Science*, 274-276, ISSN No. 2394-1405
4. Rao, T. E., (2014). E.M. Forster's *A Passage to India* Supports the Liberal Humanist Tradition, *Global Journal for Research Analysis, A Peer Reviewed and Referred International Journal*, 6, ISSN No. 2277-8160, Impact factor: 1.5408
5. Rao, T. E., (2014). The way of the World congreves the Charge of Immorality, *The Research series Shrinkhala: A Multi Disciplinary International Journal* , 35, ISSN No. 2321-290X
6. Rao, T. E., (2013). *Saul Bellow: Quest for self and Identity in the Adventures of Augienmarch* *Critical Space A Peer-Reviewed International Refereed Journal in Language, Literature, and Culture*, 61, ISSN NO- 2319-3689
7. Rao, T. E., (2013). *Henry David Thoreau's treatment of nature in Walden*, *A Peer-Reviewed International Refereed Journal* , 40, ISSN No. 2249-555X, Impact factor: 0.8215
8. Rao, T. E., (2012). *The Issue of Identity Crisis: A Study of Hayavadana of Girish Karnad* *International Recognition Research Journals Review of Research* , 46, ISSN NO-/2249-894X
9. Rao, T. E., (2012). *English Medium Education: The Malady and the Remedy/ Teaching of English in India Today: A New Perspectives* , 125, ISBN No. 978-93-5067-915-9
10. Rao, T. E., (2012). *Manoj Das: A Bilingual Literary Genius* , *A Peer-Reviewed International Journal* , 57, ISSN NO-0975-0509
11. Rao, T. E., (2012). *A New Light on the Plays of Girish Karnad, Contemporary Discourse: A Peer Reviewed International Journal* , 173, ISSN No. 0976-368
12. Rao, T. E., (2012). *A Study of Folk Elements in the Plays of Girish karnad*, Odisha: *Rock Pebbles publication*1-168, ISBN No. 81-88862-01-0

Department of History

### BRIEF PROFILE OF THE DEPARTMENT HISTORY OF HISTORY

1	Name of the Department	: <b>History</b>
2	Year of the Establishment	: <b>1968</b>
3	Courses/Programmes and Subject combinations offered	: <b>M.A., M.Phil., Ph.D, and DTIM</b>
4	Number of teaching posts Sanctioned Filled	: <b>Sanctioned-8, Filled-3</b>
5	Number of Technical Staff present	: <b>1</b>
6	Number of Students ( Men / Women) Give Details Course Wise	<ul style="list-style-type: none"> <li>➤ <b>M.A. - Male - 10, Female -28</b></li> <li>➤ <b>M.Phill - Male - 5, Female – 7</b></li> <li>➤ <b>DTIM- Male-05, Female-01</b></li> </ul>
7	Ratio of Teacher to Students	: <b>1 : 22</b>
8	Ratio of Teachers to Research Scholars	: <b>1 : 3</b>
9	Number of Teachers Scholars who have obtained their master's degree from other institutions	: <b>1</b>
10	Number of Teachers in Academic Bodies of other Autonomous Colleges and Universities	: <b>2</b>
11	Latest revision of the curriculum ( year)	: <b>2015</b>
12	Number of student passed in NET/ SLET etc. ( last 5 years)	: <b>4</b>
13	Success Rate of Students	: <b>100%</b>
14	Demand Ratio ( No. of application)	: <b>1:3½</b>
15	Awards and recognition received by faculty ( last 5years)	: <b>Nil</b>
16	Faculty who have attended National/ International Seminars ( last 5 years) (numbers only)	: <b>National - 43, International – 3</b>
17	Number of National Seminars Organize ( Last 5 years)	: <b>5</b>
18	Number of Teachers engaged in consultancy and the revenue generated	: <b>Nil</b>
19	Number of Ongoing projects and their total outlay	: <b>Nil</b>
20	Research project completed during last five years & their Outlay	: <b>Nil</b>
21	Number of inventions and patents	: <b>Not Applicable</b>
22	Number of Ph. D theses guided during the last five years	: <b>17</b>
23	Publication by faculty ( last five years)	: <b>34</b>
24	Average citation index and impact factor of publication	: <b>20%</b>
25	Number of Books in the Department library, if any	: <b>623</b>
26	Number of Journals / Periodicals in the departmental library	: <b>15 title having 133 in total</b>
27	Number of Computers in the department	: <b>10</b>
28	Annual Budget ( Excluding Salary) In Rupees	: <b>Books –Rs.1.80,000/-</b>
	➤ Equipment	
	➤ Books and Journals	: <b>Allotted centrally for all the departments</b>
	➤ Other contingency	
	➤ Lab. Contingency	

### Evaluative Report of the Department

1. Name of the Department : **History**
2. Year of establishment : 1968
3. Is the Department part of a School/ Faculty of the university? Yes. School of Humanity and Social Sciences.
4. Names of programmes offered:
  1. M.A (History) Semester in CBCS Pattern
  2. Diploma in Tourism and Indian Monuments (DTIM): 1 year
  3. M.Phil in History (one year)
  4. Ph.D
5. Interdisciplinary programmes and departments involved: No
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : No
7. Details of programmes discontinued, if any, with reasons : No
8. Examination System: Semester Choice Based Credit System
9. Participation of the department in the courses offered by other departments: Allied Elective courses are introduced under CBCS
  1. Personality Development
  2. Communicative English

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate

Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	03
Associate Professors/Reader	03		Nil
Assistant Professors/Lecturer	04		01
Others (Field Assistant)	01	01	01

11. Faculty profile with name, qualification, designation area of specialization experience and research under guidance.

Name	Designation	Qualification	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil, students guided for the last 5 years
Prof. M.Padhy	Professor	M.A. Ph.D	Modern Indian History	30	
Prof B.P. Panda	Professor	M.A. ,Ph.D	Ancient Indian History	32	11 Ph.D. 15 M.Phil.
Prof. Bhagabana Sahu	Professor & Head	M.A., M.Phil, Ph.D., D.Litt.	Modern Indian History	29	20 Ph.D. 15 M.Phil.
Mr.R.K. Bhuyan	Lecturer	M.A. M.Phil.	Ancient Indian History	03	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

- Professor Dilbagh Singh, JNU New Delhi, March 2010.
- Professor Smriti Kumar Sarkar, Kalyani University, 2011.
- Professor Y. Vaikuntham, Osmania University, Hyderabad, 2011.

- Professor B Surend Rao, Manglore University, Manglore, 2011.
  - Professor Deepak Kumar, JNU, New Delhi, 2012.
  - Professor Ranjan Chakrabarti, Jadavpur University, Kolkata, 2012
  - Professor Smt. M. Jamuna, Bangalore University, Bangalore, 2012.
  - Professor R.C. Thakaran, Delhi University, New Delhi, Sept. 2012.
  - Professor G. Venketraman, University of Madras, Chennai, Sept. 2012.
  - Professor B.P. Sahu, Delhi University, New Delhi, 2012.
  - Prof S. K. Panda, Berhampur University (2013-15)
  - Prof. L. N. Raut, Berhampur University (2013-15)
13. Percentage of classes taken by temporary faculty–programme-wise information:
14. Programme-wise Student Teacher Ratio: 08:01
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:
- | Name             | Sanctioned | Filled | Actual |
|------------------|------------|--------|--------|
| Office Assistant | 01         | 01     | 01     |
| Field Assistant  | 01         | 01     | 01     |
16. Research thrust areas as recognized by major funding agencies:  
Regional History
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: Nil
18. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration: Nil
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.  
UGC- SAP (DRS Phase- III) completed
20. Research facility / centre with
- State recognition
  - National recognition - UGC-SAP (DRS) Centre
  - International recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil
22. Publications:
- Number of papers published in peer reviewed journals (national / international):33
  - Monographs: Nil
  - Chapters in Books: Nil
  - Edited Books: 01
  - Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) :Nil
  - Citation Index - range / average

- SNIP
- SJR
- Impact Factor - range / average
- h-index

23. Details of patents and income generated : Nil

24. Areas of consultancy and income generated: Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions/ industries in India and abroad:

26. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Sl.No	Name	Program	Place	Year	period
1.	Mr.R.K. Bhuyan	Orientation	Himachal Pradesh University, Shimla.	2014	2 <sup>nd</sup> June-28 <sup>th</sup> June.

27. Faculty serving in

- a) National committees b) International committees c) Editorial Boards d) any other (please specify) Nil

28. Student projects

- Percentage of students who have done in-house projects including interdepartmental projects: 50%.
- Percentage of students doing projects in collaboration with other universities / industry / institute : 50%.

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: 06

Sl. No.	Date	Title of the Seminar/Conference /Workshop	No. of participants
1.	9-10, March 2010	National Seminar on "Democracy, National and Ideology Indo-Canadian Perspective".	60
2.	19 to 21 March 2010	National Seminar on "Anti-Colonial Tribal Movements in Orissa."	42
3.	27-28 November 2010	National Seminar on "Evolution of Orissan Society and State Since Early Times".	55
4.	12-14 March 2011	National Seminar on "Social Protest Movements in Orissa Since Early Times".	65
5.	21-22 January 2012	33 <sup>rd</sup> Annual Session of Odisha History Congress	200
6.	28-29 September 2012	National Seminar on "Upliftment of the Downtrodden and Social Reform Movements in Orissa."	93

31. Code of ethics for research followed by the departments: As prescribed by UGC



## 32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2010 (P.G)	87	14	18	100%	100%
2010(M.Phil)	25	05	07	100%	100%
2011(P.G.)	73	12	20	100%	100%
2011(M.Phil)	24	04	08	100%	100%
2012(P.G.)	95	15	17	100%	100%
2012(M.Phil)	21	07	05	100%	100%
2013(P.G.)	118	14	18	100%	100%
2013 (M.Phil.)	36	04	07	100%	100%
2014(P.G.)	117	11	19	100%	100%
2014(M.Phil.)	22	05	07	100%	100%
2015(M.Phil)	25	03	05	100%	100%

## 33. Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
	94%	6%	Nil	Nil

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Year	Name of the Candidate
2011	R.K.. Bhuyan (NET) KibindraSethi (NET) Nandita Jayasingh (NET)
2012	Bibhudatta Achary (Odisha Civil Service)

## 35. Student progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil.	40%
PG to Ph.D.	6%
PhD. to Post-Doctoral	1%
Employed Campus selection Other than campus recruitment	1%
Entrepreneurs	Nil

## 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	100%
from other universities within the State	-
from universities from other States from	-
universities outside the country	-

## 37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Prof. Bhagabana Sahu got awarded D. Litt in 2013.

38. Present details of departmental infrastructural facilities with regard to
- Library: Yes
  - Internet facilities for staff and students: Yes.
  - Total number of class rooms :03
  - Class rooms with ICT facility: 1
  - Students' laboratories: Nil
  - Research laboratories: Nil
39. List of doctoral, post-doctoral students and Research Associates
- from the host institution/ university
    - ❖ Sandhyarani Kanhar
    - ❖ Krushna Chandra Raita
    - ❖ Bibhudatta Achary
    - ❖ Basanta Kumar Nayak
    - ❖ Reeta Behera
    - ❖ Biswajit Swain
    - ❖ Sujit kumar Panda
    - ❖ Jagannath Behera
    - ❖ Gayatri jena
    - ❖ Bhakatalata mohapatra
    - ❖ Rashmi Rekha Panda
    - ❖ Suprava Behera
    - ❖ Pratima Manjari Sethi
  - from other institutions/universities:
    - ❖ Jyoti rekha Mohanty
    - ❖ Debashis Jena
    - ❖ Neelachala Panigrahi
40. Number of post graduate students getting financial assistance from the university. Nil.
41. Was any need assessment exercise undertaken before the development of new programme(s)?  
If so, highlight the methodology: Nil
42. Does the department obtain feedback from:
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
Feedback is obtained from faculty. Those who handle the paper give the feedback. Inputs were received and incorporated at the time of changes introduced in syllabi.
  - Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?  
Reflected in the curriculum design from time to time; feedback is obtained from students on syllabi and contents of the course. All suggestions were incorporated in the existing syllabi.
  - Alumni and employers on the programmes offered and how does the department utilize the feedback? The department uses the feedback for its holistic development.
43. List the distinguished alumni of the department (maximum 10):
- Prof. L.N. Rout
  - Prof. M. Padhy
  - Dr. Jeevan Ku. Pattnaik

- Sri Bibhudatta Achary
  - Sri Sujit Kumar Panda
  - Dr. Rajesh Kumar Purohito
  - Dr. Sunil Kant Pattnaik
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
- National Seminar on Anti-Colonial Tribal Movements in Odisha, 19-21 March, 2010.
  - National Seminar on Evolution of Orissan Society and State since Early Times, 27-28 November, 2010.
  - National Seminar on “Social Protest Movement in Odisha since Early Times” 12-14 March, 2011
  - State Level Conference - Odisha History Congress: 33<sup>rd</sup> Session, 21-22 January, 2012.
  - National Seminar on Upliftment of the Down-Trodden and Social Reform Movements in Odisha, 28-29 September, 2012
45. List the teaching methods adopted by the faculty for different programmes.
- Lecture Method, Group discussion, Student presentation.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- Conducting examination by respective faculty after completion of each topic.
  - Student centred interactive class for better understanding of the topic. Ex. Group discussion.
47. Highlight the participation of students and faculty in extension activities.
1. Students participated in the Blood Donation Camps.
  2. Participation of the students in the NSS activities of the University.
  3. Active participation of the students and faculty in the Swachha Bharta programme
  4. Students acted as volunteers for the smooth conduct of Central Zone Youth Festival, 2014.
  5. Student participation in the mega plantation program.
48. Give details of "beyond syllabus scholarly activities" of the department.
- Organization of Study tours to difference Historical places of South Odisha and conducted field study.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:
- Organising seminars, and conferences on local issues.
  - Publication of books on Cultural Heritage of Odisha in collaboration with Govt. of Odisha.

51. Detail five major Strength, Weakness, Opportunities and Challenges (SWOC) of the department.

**Strength**

- Highly motivated and dedicated teachers.
- Acting as Subject Expert in the selection of teaching posts in different colleges of the university and in other universities.
- Faculties are engaged as observer of different university examinations conducted by the affiliated colleges.
- Faculties visit different affiliated Colleges of the university as member of the Local Enquiry Committee
- Faculties are also assigned different non-academic responsibilities throughout the year to assist the university administration

**Weakness**

- Inadequate faculty members
- Inadequate infrastructure facility.
- Students from rural background with inadequate English communication skills.

**Opportunities**

- Having a niche for its unique curriculum and teaching in this part of country.
- Having potential faculty with different specializations.
- Strong network with neighboring Universities and National and State level Research Institutions

**Challenges**

- Paucity of funds at the departmental level for day to day functioning & maintenance of equipments.
- Need of smart classroom and use of modern audio-visual gadgets for teaching
- Upgradation of Computer Laboratory of the dept.

52. Future plans of the department.

- The Department is planning to open a School of Historical Studies with 3 centers i.e. 1. Department of History, Culture and Archeology; 2. Department of Indian Monuments and Tourism Management; 3. Department of Museumology.
- To apply for funded research projects to enhance academic and research quality.
- Collaborative research is to be taken up with other reputed institutions/ universities of national and international repute.
- Purchase of equipment and renovation of the classrooms, seminar hall, office, and faculty chambers and toilets.

**RESEARCH PUBLICATIONS (2010-2015)**  
**DEPARTMENT OF HISTORY**

**Professor B. P. Panda**

1. Panda, B. P., (2015). Sculptures of the Temples of Orissa- A Study, Mani-Sushma Archaeology and Heritage Dr. B.R. Mani Festschrift, Vol. I, B.R. Publishing, New Delhi.
2. Panda, B. P., (2015). Decorative motifs of the Temples of Odisha, Cultural Contours of History and Archaeology in Vol. V, New Delhi.
3. Panda, B. P., (2015). Historian of 20<sup>th</sup> Century Odisha: A Study on Krupasindhu Misra, Journal of Indian History, University of Kerala, Thiruvananthapuram, Vol. XCII.
4. Panda, B. P., (2012). Status of Jagannatha temple in on medieval Orissa in Kakatiya Journal of Historical studies, Kakatiya University. Vol.VII.No.1.
5. Panda, B. P., Contribution of Rakhal Das Banerji - A Pioneering Historian of Orissa
6. Panda, B. P., (2012). Historiography in Indian Historical Studies, Tiruchirapalli. Vol.IX,
7. Panda, B. P., (2012). Status of women in Indian society: A Historical perspective in social reform and education. A tool of women empowerment - some reflection Rajmuhendry.
8. Panda, B. P., (2011). Economic conditions and overseas contacts of Ancient Orissa, in The Quartely review of Historical studies, Kolkata –Vol. No 3-4.
9. Panda, B. P., (2011). Status of poverty and underdevelopment in Odisha-in culture heritage of Orissa . Ed. B.P.Panda, studies in Orissan History Vol.III.
10. Panda, B. P., (2011). Rakhal Das Banerji, A pioneering historian-His contribution to Orissan Historiography . in XXXI proceeding volumes of S.I.H.C. Kannur.
11. Panda, B. P., (2010). Life in Ancient Orissa, in Recent Research in Archaeology History & culture New Delhi. Ed P. Chenna Reddy.
12. Panda, B. P., (2010). Status of Poverty and underdevelopment in Odisha-(Sectional Presidents Address). In XXX proceeding volume of S.I.H.C. Kannur.

**Professor Bhagabana Sahu**

1. Sahu, B. (2015). Folk Life and Culture of Odisha. Kaberi Books Publication, New Delhi.
2. Sahu, B., Parja, H.K., Misro, R.C., Dipti Ray, Ray, R.N. S. (2011). Ports of Odisha: Past and Present. Bhubaneswar: Centre for Advanced Studies in History & Culture.
3. Patro, B., Sahu, B., Nayak, S., Mahapatra, A. (2015), New Horizons in History and Culture. Delhi: Prativa Prakashan.
4. Sahu, B. (2015). Situating the Koyas of Odisha in the Tribal history of India. In Patro, B (Ed.), New Horizons in History and Culture (pp. 122-128). Pratibha Prakashan, Delhi.

5. Sahu, B. (2014), I. N.A. and The Indian Freedom Struggle Outside the Frontiers of India: A Study on the Contribution of Ganjam. In K.S. Behera Memorial Volume, Pratibha Prakashan, Delhi.
6. Shadangi, S.K.,(2014). Impact of the Northern Andhra on the Fairs, Festivals and Folk Dances of Ganjam. Odisha Past and Present, Vol.I, pp. 74-81.
7. Secretary Odisha History Congress., (2011), The Journal of Orissan History Prahallada Nataka- The Popular Folk Dance of Ganjam, Vol. XXIV, pp.
8. Swarnkar, S. (2015). Navakalebara - the mysterious body changing festival of Lord Jagannath of Puri: An Historical Overview. Global History and Cultural Review, Vol.1, No.2 May-2015, pp. 28-32. 2395-2679 <http://www.ghcr.in/Current.aspx>
9. Sahu, B. (2014). Deprivation of Commoners' Human Rights in Princely States of Odisha. In Danel, D. (Ed.), Proceedings of South Indian History Congress, vol. XXXIV (pp. 965-974). Thanavur: General Secretary, South Indian History Congress.

#### **Mr. Ramakanta Bhuyan**

1. Bhuyan, R. K., (2015). Sculptures of the Temples of Orissa- A Study, Mani-Sushma Archaeology and Heritage Dr. B.R. Mani Festschrift, Vol. I, B.R. Publishing, New Delhi.
2. Bhuyan, R. K., (2013). Meriah Versus Christianity in Kandhamal in proceeding volumes of 33<sup>rd</sup> Annual session of SIHC held at University of Kerala, Thiruvananthapuram.
3. Bhuyan, R. K., (2013). The Christianity in Odisha- A Historical Perspective, Proceeding of National Seminar on Social Reform and Social Change in Modern India.
4. Bhuyan, R. K., (2012). The Christianity in Odisha- A Historical Perspective, Journal of Odishan History, Vol.XXV.
5. Bhuyan, R. K., (2012). Women Empowerment and Constitution of India” in proceeding volume of National Seminar on Social Reform and education – Role of Women Empowerment some Reflection.
6. Bhuyan, R. K., (2012). The Churches of Daringbadi Block in Kandhamal Di strict- A Study” in Proceeding volume of Odisha History Congress held at Berhampur University.
7. Bhuyan, R. K., (2012). A Sketch of Christian missionaries in Kandhamal- A Study, Proceeding of 32<sup>nd</sup> Session of SIHC organised by University of Madras, Chennai.
8. Bhuyan, R. K., (2011).The Churches and Prayer Halls in Kandhamal District – A Study on Raikia block, Proceeding volume of 31<sup>st</sup> Annual session of SIHC held at Yogivamana University Kadappa.

**Professor R.C. Misro**

1. Misro, R.C., Sahu Bhagaban, Parja, H.K., Dipti Ray, Ray, R.N. S. (2011). Ports of Odisha: Past and Present. Bhubaneswar: Centre for Advanced Studies in History & Culture.
2. Misro, R.C., Secretary Odisha History Congress (2011), Journal of Odishan History Congress, Shifting Cultivation in Jeypore Zamindari Under the British Raj: Some Reflections (Co-Author), Vol. XXIV, pp. 216-222.
3. Misro, R.C., (2014), Some Sdpects of Land Tenure Features in Jyepore Zamindari Under the British Raj - A Study (Co-Author), Proceedings of South Indian History Congress 31st Annual Session, pp. 553-561.
4. Misro, R.C., (2015), Mahimaism: The Socio-Religious Resistance Movement in Modern Odisha - A Study on the Assertive voice of the Marginal Against Dominance for an Identity, Proceedings of South Indian History Congress 35st Annual Session, pp. 1-46.

**Professor L.N. Rout**

1. Rout, L.N., Maharana, B. (2014). Concept of Health, Hygiene and Medicines: A Study on Kandh Community of South Odisha (Co-Author)., ISBN - 978-93-5128-041-5. Kalpaz Publications, New Delhi.



Department of Industrial Relations & Personnel Management

## BRIEF PROFILE OF THE DEPARTMENT OF INDUSTRIAL RELATIONS & PERSONNEL MANAGEMENT

1. Name of the Department : **Industrial Relations & Personnel Management**
2. Year of the Establishment :1967
3. Courses Offered : M.A., M.Phil, and Ph.D.
4. Number of teaching posts :Sanctioned-07 , Filled-03
5. Number of Technical Staff Present :03
6. Number of Students :P.G.- Male-21 Female -15 Total-36  
M.Phil- Male-01 Female-01 Total-12
7. Ratio of Teacher to Students :24:1
8. Ration of Teachers to Research Scholars :4:1
9. Number of Teachers Scholars who have obtained their master's degree from other institutions :02
10. Number of teachers in Academic Bodies of other Autonomous College and University :
11. Latest revision of the Curriculum (year) : 2015
12. Number of student passed in NET : 20
13. Success Rate of Students : 100%
14. Demand ratio (No. of application) : 4:1
15. Awards and recognition received by Faculty (Last 5 years) : Nil
16. Faculty who have attended National/International (Last 5 years) : National -103, International-12
17. Number of National Seminars Organized : 04
18. Number of Teachers engaged in consultancy and the revenue generated :Nil
19. Number of Ongoing Projects and their total outlay : Nil
20. Research project completed during last five years & their Outlay :Nil
21. Number of inventions and patents : Nil
22. Number of Ph.D theses guided during the last five years: 24
23. Publication by faculty (last five years) : 09
24. Average citation index and impact factor of publication :
25. Number of Books in the Department library, if any : 1100 Books
26. Number of Journals / Periodicals in the departmental library:
27. Number of Computers in the department : 11
28. Annual Budget in Rupees : Books Rs. 1, 08,000/-
  - Equipment
  - Books and Journals : allotted centrally for all the departments
  - Other Contingency :Office Contingency- Rs. 1000/-
  - Lab. Contingency :Laboratory Contingency-Rs. 2000/-

### Evaluative Report of the Department

1. Name of the Department : **Industrial Relations & Personnel Management**
2. Year of establishment : 1967
3. Is the Department part of a School/Faculty of the university?  
: Faculty of Humanities & Social Sciences
4. Names of programmes offered : Post Graduation (2 years): MA (IR&PM)  
: M.Phil in IR&PM (One year)  
Research Programme : Ph.D., D.Litt  
Self Financing Course Programme: Master of Social Work (2 years)
5. Interdisciplinary programmes and Departments involved: MSW (Self Financing)Dept  
:Ruraldevelopment,Botany, Law, Political Science, Economics
6. Courses in collaboration with other universities,  
Industries, foreign institutions, etc : NIL
7. Details of programmes discontinued, if any, with reasons : NIL
8. Examination System: Semester/ Choice Based Credit System : CBCS
9. Participation of the department in the Courses offered by other departments  
: Allied Elective courses are introduced under CBCS
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst.  
Professors/others)

Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	Nil	Nil
Associate Professors	2	Nil	Nil
Asst. Professors	4	3	3
Others (Field Work Instructor)	1	1	1

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D/M.Phil students guided for the last 5 years
Prof. B.P. Rath	M. A. LL. B. , Ph. D.	Professor Superannuated on 31 <sup>st</sup> August 2014	O.B, HRM, Research Methodology & Quantitative Techniques	36 Years (Retired)	3 M.Phil 5 Ph.D 2 D.Litt.
Prof. D.V. Giri	M. A. LL.B. ,UGC-JRF, Ph. D	Professor Superannuated on 31 <sup>st</sup> October 2013	Industrial Relations, HRD,OC	29 Years (Retired)	5 M.Phil 9 Ph.D

Prof. S.C. Parida	M. A. LL. B., Ph. D.	Professor Superannuated on 31 <sup>st</sup> July, 2014	Principles & Practices of Management, Labour Legislation, OD	27 Years (Retired)	8 M.Phil 4.Ph.D
Dr. S.B. Patro	M. A. LL. B., UGC-NET, Ph.D.	Lecturer	Labour Legislations, Social Security, OC, Labour Welfare and Administration	4 Years	8 M.Phil 4.Ph.D (guiding)
Mr. B.K.Lakra	M. A. UGC- NET	Lecturer	HRM, SHRM, OD	4 Years	
Mr. S. Vijaya Kumar	M.H.R.M., M.B.A., M. Phil, UGC-NET	Lecturer	HRM, HR & OB	3.5 Years	7 M.Phil
Dr. (Mrs.) Anuva Choudhury (FWI)	M.A., Ph.D., UGC-NET	Field Work Instructor	Field Work Guidance, HRD, Labour Economics, Research Methodology	3.5 Years	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors : NIL

13. Percentage of classes taken by temporary faculty – programme wise Information

: Guest Faculty (30%)

14. Programme-wise Student Teacher Ratio : P.G.-24:1 ; M.Phil-4:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual : 02

Post	Sanctioned	Filled
Field Work Instructor	1	1
Sr. Asst.	1	1
Attendant	1	1

16. Research thrust areas as recognized by major funding agencies Action Research Area : NIL

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : NIL

18. Inter-institutional collaborative projects and associated grants received :NIL

a) National Collaboration) International collaboration

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, ALCTE, tec.; total grants received : NIL

20. Research facility / centre with :

a. State Recognition : √

b. National Recognition : √

21. Special research laboratories sponsored by / created by industry or corporate bodies : NIL

## 22. Publications:

- Number of papers published in peer reviewed journals (national international): 03
- Monographs : NIL
- Chapters in Books : 06
- Edited books : NIL
- Books with ISBN with details of publishers : NIL
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) :
- Citation Index – range / average :
- SNIP :
- SJR :
- Impact Factor – range / average :
- h-index :

23. Details of patents and income generated : NIL

24. Areas of consultancy and income generated : NIL

25. Faculty selected Nationally /Internationally to visit other laboratories/institutions/industries in India and abroad : NIL

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards

d) any other (please specify) :NIL

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs). :

Name	Designation	Training Programme Attended	Date	Place
Dr. Satyabrata Patro	Lecturer	Orientation Programme	2-30 Dec, 2011	UGC-ASC, Utkal University, Bhubaneswar
		Refresher Course	15 Feb to 7 March, 2013	UGC-ASC, Jamia Millia Islamia, New Delhi.
Bharat Kumar Lakra	Lecturer	Orientation Programme	23 Feb to 22 March, 2013	UGC-ASC, Sambalpur University

## 28. Student projects

- a. percentage of students who have done in-house projects including inter-departmental projects : 50%
- b. percentage of students doing projects in collaboration with other universities Industry / institute : 50%

29. Awards / recognitions received at the national and international level by : 02

- a. Faculty: 01-Prof. B.P. Rath, Best Paper Presentation Award in the international Conference held at Las Vegas, in the year 2012.
- b. Doctoral / post doctoral fellows: 01–Dr. Arun Kumar Panda, ICSSR

30. Seminars/ Conferences/Workshops organized and the source of funding (national /International) with details of outstanding participants, if any.

Sl. No.	Date	Title of the Seminar/Conference/Workshop	No. of participants
1.	18-19, December 2010	Organising a National Conference on “Business Ethics and Corporate Social Responsibility”	180
2.	22 <sup>nd</sup> – 23 <sup>rd</sup> December 2012	UGC Sponsored National Conference on Perspectives on Employment Relations	240
3.	28-29 Sept. 2013	Organised a two days UGC sponsored National Conference on Child Labour in collaboration with Chikiti Mahavidayala, Chikiti.	220
4.	20 <sup>th</sup> – 21 <sup>st</sup> December 2014	UGC Sponsored National Conference on the topic “Perspectives on Human Capital Formation and Utilisation in India”	250
5.	2014	One day workshop on the importance of International Youth Day organised by Restless Development	180

31. Code of ethics for research followed by the departments : NIL

32. Student profile programme-wise: M.A. (I.R & P.M)

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MA in IR&PM (2010-11)	209	15	21	100%	95%
MA in IR&PM (2011-12)	150	22	14	100%	100%
MA in IR&PM (2012-13)	147	18	18	100%	100%
MA in IR&PM (2013-14)	143	23	12	100%	100%
MA in IR&PM (2014-15)	127	21	15	100%	100%

M.Phil (I.R & P.M)					
M.Phil (IRPM) 2010-11	9	3	2	100%	100%
M.Phil (IRPM) 2011	11	1	1	100%	100%
M.Phil (IRPM) 2012	20	3	9	100%	100%
M.Phil (IRPM) 2013	7	2	1	100%	100%
M.Phil (IRPM) 2014	8	2	5	100%	100%

<b>Master of Social Work (Self Financing)</b>					
MSW- Self-financing 2012-13	39	15	03	89%	75%
MSW- Self-financing 2013-14	49	13	07	100%	75%
MSW- Self-financing 2014-15	22	04	08	100%	85%

## 33. Diversity of students

<b>Name of the Programme</b>	<b>% of students from the same university</b>	<b>% of students from other universities within the State</b>	<b>% of students from universities outside the State</b>	<b>% of students from other countries</b>
2010-11	86.12	13.88		NIL
2011-12	97.00	3.00		NIL
2012-13	91.67	08.33		NIL
2013-14	80.56	19.44		NIL
2014-15	77.77	22.23		NIL

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

<b>UGC-JRF</b>	<b>UGC-NET</b>	<b>RGNF</b>
10	12	8

<b>Name of the Student</b>	<b>Achievement (Mention Rank, Medal and Examination)</b>
1. Shisir Kumar Sethi 2. Pati Krishna 3. Hari Narayan Sahu 4. Meera Panda 5. Jitendra Kumar Behera 6. Bharati Behera 7. Kanhu Sahu 8. Anil Kumar Sahu 9. Sunil Kumar Sahu 10. Sagar Lenka	<b>UGC-Junior Research Fellow</b>
1. Sanatana Panda 2. Rajlaxmi Sahu 3. Pallavi Sahoo 4. Ajit Kumar Sahu 5. Sanjukta Nayak 6. Jutu Basanta 7. Malabika Patnaik 8. Suman Sudha Parida 9. Manas Ranjan Nayak 10. Saroj Kumar Nayak 11. Jutu Basanta 12. Nirmal Kar	<b>National Eligibility Test (NET)</b>
1. Jitendra Kumar Pradhan 2. Ramesh Kumar Behera 3. Hirawani Hansu 4. Gananath Khila 5. Snehalata Behera	<b>Rajiv Gandhi National Fellowship (RGNF)</b>



Name of the Student	Achievement (Mention Rank, Medal and Examination)
6. Dropati Nayak 7. Purnima Duraka 8. Sugyani Behera	

35. Students progression:

Student progression	Percentage against enrolled
UG to PG	-
PG to M.Phil.	13.88
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	5%
Employed	
Campus selection	
Other than campus recruitment	75%
Entrepreneurs	

36. Diversity of Staff:

Percentage of Faculty who are Graduates	
of the same university	33.3 %
from other universities within the State	33.3 %
from universities from other States from	33.3 %
universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : NIL

38. Present details of departmental infrastructural facilities with regard to

- a. Library : 1100 Books
- b. Internet facilities for staff and students : Yes
- c. Total number of class rooms : 03
- d) Class rooms with ICT facility : 02
- e) Students' laboratories : 01
- f) Research laboratories : NIL

39. List of doctoral, post-doctoral students and Research Associates: from the host institution/university :

Sl. No.	Name of Doctoral Students
1.	Hirawani Hansu
2.	Bhrat Ku. Lakra
3.	Jitendra ku. Pradhan
4.	Santosh Mishra
5.	Shisir Kumar Sethi
6.	Suprita Pradhan
7.	Bhagashree Padhi
8.	Malavika Patnaik
9.	Pati Krishna
10.	Ramesh Chandra Behera

Sl. No.	Name of Post-Doctoral Students
1.	Dr. Arun Kumar Panda
2.	Dr. Sitansu Panda
3.	Dr. Satyabrata Patro

a. from other institutions/universities :

Sl. No.	Name of Doctoral Students
1.	M.V. Muralikrishna
2.	P. Swaruparani

40. Number of post graduate students getting financial assistance from the university .

41. Was any need assessment exercise undertaken before the development of new programme(s)?  
If so, highlight the methodology. : Not Applicable

42. Does the department obtain feedback from

i. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

❖ Yes, through discussions and deliberations inboard of studies meeting and revision of syllabus according to need of the Public Sector Undertakings, UPSC and Others Competitive examinations form time to time.

ii. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? No

iii. Alumni and employers on the programmes offered and how does the department utilize the feedback? Yes

**Alumni:**

1. Interaction with the students and the teachers on regular basis

2. Structured feedback from the pass out students

3. Alumni on the board of studies

4. Alumni interface at regular interval through alumni bi-annual meets

43. List the distinguished alumni of the department (maximum 10)

Sl.No	NAME	POSITION	ORGANISATION
1	Prof. Sukanti Priya Pattnaik	Ex- Vice-Chancellor	Fakir Mohan University, Balasore
2	Mr. Monaj Kumar Mishra	Chief Managing Director,(CMD)	Cement India Corporation (CIC)
3	Mr. Radha Kanta Digal	Ex- Member of Parliament	Govt. of India (GoI)
4	Mr. Purna Chandra Sethi	MLA , Kholikote Constituency	Govt. of Odisha
5	Dr. Satya Prakash Panda	Chairman	Gandhi Institute of Engineering and Technology
6.	Mr.KDR Acharya and Mr. Debarchan Pradhan	Deputy Chief Labour Commissioner	Govt. of India (GoI)
7.	Mr. P.K Panda	Group President HR	Adani Enterprises Ltd.
8.	Mr. Shayama Charana Padhy	Director (H&A)	NALCO
9.	Mrs. Shanti sahu	Director (Personnel)	Northern Coalfields Ltd.
10.	Mr. Bimal Prasad Sharma	Executive Director (ED)	Bank of India (BoI)

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
1. Weekly seminar (Thursday)
  2. Group Discussion (GD)
  3. Skill Development and capacity building Programme
  4. Interaction with the corporate delegates (once in a Month)
45. List the teaching methods adopted by the faculty for different programmes.
- Lecturer method, case study method, role playing, Brain Storming, SWOT analysis, Presentation, field study report, management games, seminar paper preparation.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- As part of the pedagogy in order to gauge the continuous learning of students are being given assignments and cases on a regular basis, in addition to different type of class test, quiz and management games are conducted.
  - Students are assigned with mostly empirical based seminar papers which are presented and evaluated in a week long process.
  - Students are continuously evaluated through mid semester examination besides class tests conducted by respective teachers.
47. Highlight the participation of students and faculty in extension activities.
- Students actively participate in extension and community outreach activity through social awareness camps, NSS, Swatcha Bharat Abhiyan, Eco ambassador Club, and Interaction with local People
48. Give details of “beyond syllabus scholarly activities” of the department. : NIL
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. : NO
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:
- The Department makes Constant efforts in helping the students to impart the theoretical knowledge pertaining to Industrial Relations, Human Resource Management, Labour Law and other related subjects to enrich the disciplinary base of HR professionals.
  - To make HR professionals Industry ready by inducting them to the basic and advance skill of management.
  - To adopt participatory learning methods and modern teaching technology and pedagogy for the achievement of course objectives.
51. Detail five major Strength, Weakness, Opportunities and Challenges (SWOC) of the department. :

**Strength**

- Premier institute of higher learning in Industrial Relations and Personnel Management in southern part of the country since 1967.
- Young, Dynamic and committed faculty.
- Teaching and Learning supportive with Field Study.
- Proactive Alumni

**Weakness**

- Inadequate faculty strength.
- Space Crunch.
- Location Disadvantage Prohibiting continuous student / industry interface

**Opportunities**

- Having a niche for its unique curriculum and teaching in this part of the county.
- Having strong alumni base
- Having potential and efficient faculty
- Industry- academia interface through alumina occupying senior position in the industries and corporate houses.
- Strong network with neighboring universities and national and state level research institutes.
- To introduce need based short term skill development courses

**Challenges**

- Prepare students as per the need based expectation of the Industry
- To establish collaboration with institutes of National/ International repute and industries for teaching, research and placement.
- Attracting agencies for consultancy and research and placement.
- To grow the mindset of the students with the changing scenario of Indian industries.
- To build up the Department as Center of Excellence to create and Dissimilation of Knowledge based in Management education and research in the county.

## 52. Future plans of the department:

- To launch a one year Post Graduate Diploma course in Labour Legislation.
- To build up the department as a Center of Excellence.
- To undertake inter disciplinary research in collaboration with Industries.
- Golden Jubilee International Conference in the year 2016.

**RESEARCH PUBLICATIONS (2010-2015)**  
**DEPARTMENT OF INDUSTRIAL RELATIONS AND PERSONNEL MANAGEMENT**

**Professor Bhabani Prasad Rath**

1. Rath, B.P. (2014). Talent Management in Organisational Change Processes. In *Talent Management the Next- Agenda*. Mc Graw Hill Education Private Limited, New Delhi, India, (ISBN-10: 93-392-2018-8).

**Professor Subhas Chandra Parida**

1. Parida, S.C. (2013). Bancassurance in India -some key issues: Bancassurance in India. In N. Nayak and R.K. Mishra (eds.), *Global Financial Reincarnation through*. Bancassurance, Blumsbury Publishing House, New Delhi, India.
2. Parida, S.C. (2014). Retention Management as a Talent Management Strategy. In *Talent Management the Next- Agenda*. Mc Graw Hill Education Private Limited, New Delhi, India, ISBN-10: 93-392-2018-8.

**Dr. Satyabrata Patro**

1. Patro, S. Retention Management as a Talent Management Strategy. In *Talent Management the Next- Agenda* (pp. 163-171). Mc Graw Hill Education Private Limited, New Delhi, India. (ISBN-10: 93-392-2018-8).
2. Patro, S. (2014) HRM Strategies for Proactive Employee Relations: A Study of Indian Organisations. *A Multi Disciplinary International Journal*, 1 (9) 1-5 (ISSN No. 2321-290X)
3. Patro, S. (2015). Key role of women in Panchayati Raj Institution. In *Panchayati Raj Institutions and Rural Management in India* (pp. 151-160). Mayur Publications, Bhubansewar, Odisha, India. (ISBN no: 978-81-89626-54-9).

**Mr. S. Vijay Kumar**

1. Kumar, S.V. (2012). Human Capital Accounting and Value-Added Performance: A case study of major Indian port, *Asia -Pacific Management Accounting Journal*.(ISSN 1675-3194).
2. Kumar, S.V. (2015). CSR in Odisha: A Focus on Human Resource *Development International Journal on Contemporary Research*. (ISSN No. 2231-2137).
3. Kumar, S.V. (2015). Role of Panchayati Raj Institution in people Centered Rural Development. In *Panchayati Raj Institutions and Rural Management in India* (pp. 30-40). Mayur Publications, Bhubansewar, Odisha, India.

Department of Journalism and Mass Communication

## BRIEF PROFILE OF THE DEPARTMENT OF JOURNALISM AND MASS COMMUNICATION

1	Name of the Department	: <b>Journalism &amp; Mass Communication</b>
2	Year of the Establishment	: <b>1974</b>
3	Courses/Programmes and Subject combinations offered	: <b>MA (J&amp;MC)</b>
4	Number of teaching posts Sanctioned Filled	: <b>6 (Sanctioned), 1 (Filled)</b>
5	Number of Technical Staff present	: <b>Total 3 , Two(Guest Faculty) , One (Regular)</b>
6	Number of Students ( Men / Women) Give Details Course Wise	: <b>Intake Capacity 24</b> <b>2010-11- Total- 24 [16 (M), 8 (F)]</b> <b>2011-12 –Total- 22 [16 (M), 6 (F)]</b> <b>2012-13 –Total -24 [18 (M), 6 (F)]</b> <b>2013-14 –Total– 24 [15 (M), 9 (F)]</b> <b>2014-15 –Total- 20 [13 (M), 7 (F)]</b>
7	Ratio of Teacher to Students	: <b>9:1</b>
8	Ratio of Teachers to Research Scholars	: <b>7:1</b>
9	Number of Teachers Scholars who have obtained their master's degree from other institutions	: <b>Teacher (4)</b>
10	Number of Teachers in Academic Bodies of other Autonomous Colleges and Universities	: <b>Nil</b>
11	Latest revision of the curriculum ( year)	: <b>2015</b>
12	Number of student passed in NET/ SLET etc. ( last 5 years)	: <b>05</b>
13	Success Rate of Students	: <b>94% (MA-J&amp;MC)</b>
14	Demand Ratio ( No. of application)	: <b>1:6</b>
15	Awards and recognition received by faculty ( last 5 years)	: <b>Prof. Sunil Kanta Behera, received <i>Life time achievement award</i> by Etv Odisha for his outstanding contribution to the field of education.</b>
16	Faculty who have attended National/ International Seminars ( last 5 years) (numbers only)	: <b>Three</b>
17	Number of National Seminars Organize ( Last 5 years)	: <b>One</b>
18	Number of Teachers engaged in consultancy and the revenue generated	: <b>Nil</b>
19	Number of Ongoing projects and their total outlay	: <b>Nil</b>
20	Research project completed during last five years & their Outlay	: <b>Nil</b>
21	Number of inventions and patents	: <b>Nil</b>
22	Number of Ph. D theses guided during the last five years	: <b>22</b>



- 23 Publication by faculty ( last five years) : **6**
- 24 Average citation index and impact factor of publication : **2.14**
- 25 Number of Books in the Department library, if any
- 26 Number of Journals / Periodicals in the departmental library : **2000**
- 27 Number of Computers in the department : **09**
- 28 Annual Budget ( Excluding Salary) In Rupees :
- Equipment : **4,000/-**
  - Books and Journals : **5,000/-**
  - Other contingency : **22,800/-**
  - Lab. Contingency : **15,000/-**

### Evaluative Report of the Department of Journalism & Mass Communication

1. Name of the Department : **Journalism and Mass Communication**
2. Year of establishment : 1974
3. Is the Department part of a School/Faculty of the university? YES, Faculty of Arts.
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.) : PG & Ph.D.
5. Interdisciplinary programmes and departments involved: NIL
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : NIL
7. Details of programmes discontinued, if any, with reasons: NIL
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: SEMESTER PATTERN, CBCS TO BE INTRODUCED FROM 2015-16.
9. Participation of the department in the courses offered by other departments: NIL
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	One	Vacant	One
Associate Professors	One	Vacant	One
Asst. Professors	Four	One	One
Others			2 (Guest Faculty)

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD. / M.Phil, students guided for the last 5 years
Dr. Sunil Kanta Behera	Ph.D	Professor	Communication Theory, Advertising, Development Communication	33 Years	8(awarded) 3(Submitted for adjudication) 8(ongoing)
Dr. Pradeep Ch. Mahapatra	Ph.D	Reader	Print Media, Odia, Journalism, Media ethics & law	26 years	02
Manoj Deori	MA(MCJ), UGC NET	Lecturer	Radio, Television, Internet Journalism	2 years	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors : NIL
13. Percentage of classes taken by temporary faculty – programme-wise information :  
MA( J&MC)- Part-I 30% and MA(J&MC) Part II- 30%
14. Programme-wise Student Teacher Ratio: MA (J&MC) 9:1



27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Name	Designation	Training programme attended	Date	Place
Manoj Deori	Lecturer	Orientation programme	3/03/14 To 30/03/14	UGC ASC, Gauhati University

28. Student projects
- Percentage of students who have done in-house projects including inter-departmental projects: 100 %
  - Percentage of students doing projects in collaboration with other universities industry / institute : NIL
29. Awards / recognitions received at the national and international level by :
- Faculty: Prof. Sunil Kanta Behera received *Life time achievement* by Etv Odisha for his outstanding contribution to the field of education.
  - Doctoral / post doctoral fellows
  - Students
30. Seminars/ Conferences/Workshops organized and the source of funding (National/ International) with details of outstation participants, if any.

National Seminar	Date	Participants
UGC Sponsored National Seminar on Media Audit: Need for Greater Accountability Transparency and Responsibility.	March 29-30, 2011	Around 40 academicians from 22 universities of 14 States

31. Code of ethics for research followed by the departments: Is being developed.
32. Student profile programme-wise:

Name of the programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MA (J&MC) 2010-11	68	16	8	100%	100%
MA (J&MC) 2011-12	43	16	6	100%	100%
MA (J&MC) 2012-13	64	18	6	100%	100%
MA (J&MC) 2013-14	45	15	9	100%	100%
MA (J&MC) 2014-15	36	13	7	100%	100%

33. Diversity of students

Name of the programme	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MA (J&MC) 2010-11	79%	21%	-	-
MA (J&MC) 2011-12	95%	5%	-	-
MA (J&MC) 2012-13	87%	13%	-	-
MA (J&MC) 2013-14	91%	9%	-	-
MA (J&MC) 2014-15	80%	20%	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

UGC NET	CATEGORY	RGNF
4	-	2

35. Student progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	28%
Ph.D. to Post-Doctoral	10%
Employed	
• Campus selection	
• Other than campus recruitment	60%
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	20%
from other universities within the State	20%
from universities from other States	60%
From universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : NIL

38. Present details of departmental infrastructural facilities with regard to

- Library : 2000 Books
- Internet facilities for staff and students : Yes
- Total number of class rooms : Two
- Class rooms with ICT facility : NIL
- Students' laboratories : Two
- Research laboratories : NIL

39. List of doctoral, post-doctoral students and Research Associates

- From the host institution/university :

From the host institution/university	
1.	Nikhil Kumar Gouda
2.	Fakir Mohan Nahak
3.	Ms. Chinu Bahidar
4.	Harish Chandra Behera
5.	Ms. Kalyani Sanghamitra Devi
6.	Prasant Kumar Mohapatra
7.	Nalin Kumar Patra
8.	Hari Krishna Behera
9.	Suresh Chandra Nayak

- From other institutions/universities

From other institutions/universities	
1.	Syed Murtaza Alfarid Hussain
2.	Sitakanta Tripathy
3.	Ms. Chirasrota Jena
4.	Mrinal Kumar Chatterjee
5.	Tapati Basu

40. Number of post graduate students getting financial assistance from the university. NIL
41. Was any need assessment exercise undertaken before the development of new programme (s)? If so, highlight the methodology. Not Applicable
42. Does the department obtain feedback from
- Faculty on curriculum as well as teaching-learning-evaluation?
  - Yes, through discussions and deliberations in board of studies meeting and revision of syllabus accordingly.
  - Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? No
  - Alumni and employers on the programmes offered and how does the department utilize the feedback?
  - Yes, by informal interaction with the alumni and making necessary changes in the syllabus.
43. List the distinguished alumni of the department (maximum 10)

Sl. No.	Name	Position	Organization
1.	Dr. Satya Ray	Former managing editor	The Samaja, (Odia daily)
2.	Mr. Rajaram Staapathy	Bureau Chief	Times of India, Bhubaneswar
3.	Mr. Prafulla Kumar Das	Bureau Chief	The Hindu, Bhubaneswar
4.	Dr. Staya Narayan Patnaik	News Editor	AIR (New Delhi)
5.	Mr. Badri Narayan Adhikari	News Editor	Doordarshan (Bhubaneswar)
6.	Mr. Sisir Bhattamisra	News Head	Kanak TV, Odisha
7.	Dr. Mrinal Chatterjee	Head	Indian Institute of Mass Communication, Dhenkanal
8.	Prof. Bobby Vardhan	Head, Dept. of J & MC	Andhra University
9.	Mr. Laxmikanta Mohapatra	Public Relation Officer	Vedanta Group of Industries
10.	Mr. Rashmi Ranjan Parida	Group Editor	Odisha Dairy, New Delhi

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
45. List the teaching methods adopted by the faculty for different programmes.
- Lecture method, group discussion, seminar, presentation, narrowcasting (Bhanja Vani) and experimental journal writing (Bhanja Bihar Reporter), documentary production.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
  - The programme objectives of imparting skills in print and electronic media and teaching communication theory and research are achieved through continuous monitoring of learning outcomes basing on publication of 'Bhanja Bihar Reporter' (a department laboratory Journal) production of documentaries, internship, project based dissertations and consequent placements.
47. Highlight the participation of students and faculty in extension activities.
  - Students actively participate in extension and community outreach activities through NSS and Students' Union.
48. Give details of "beyond syllabus scholarly activities" of the department .NIL
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. NO
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
  - The department makes constant efforts in helping the students in contextualizing the theoretical knowledge and translate these knowledge into skillful application for media content production
51. Detail five major Strength, Weakness, Opportunities and Challenges (SWOC) of the department.

#### **Strength**

- Premier institute of higher learning in J&MC in Odisha since 1974.
- Alumni spread over all the national and regional media houses and universities all over the country
- Continuous engagement in research
- ICT thrust in teaching and learning

#### **Weakness**

- Inadequate faculty strength.
- Low quality intake of students.
- Lack of adequate and appropriate physical infrastructure and technology.
- Locational disadvantage prohibiting continuous student/Industry interface.
- Lack of Industry /Academia interface

#### **Opportunities**

- To meet the trained manpower requirement of growing regional media.
- To provide training to the rural journalists.
- To ensure participatory democratic functioning through Journalism teaching and training to the disadvantaged sections of the society such as SCs, STs and the other backward classes.
- To Introduce need based short-term skill based courses
- To undertake research in traditional and folk media

#### **Challenges**

- To cope up with rapidly changing media technology
- To ensure and establish ethical aspects in media studies and industries
- To ensure gender equity in media education and employment
- To establish collaboration with institutes of national/ international repute and industries for media teaching and research.
- To build up the department as 'center of excellence' in media education and research in the country.

#### 52. Future Plan of the Department:

- Introduction of skill based short-term Courses.
- To undertake interdisciplinary research in traditional and folk media in collaboration with South Odisha Cultural Research Centre, Berhampur University and other organizations.
- To build up the Department as a 'centre of excellence' through meaningful teaching and research under SAP and CAS of UGC.



**RESEARCH PUBLICATIONS (2010-2015)**  
**DEPARTMENT OF JOURNALISM AND MASS COMMUNICATION**

**Professor Sunil Kanta Behera**

1. Behera, S.K. (2010). Communication and Development: The Indian Experience. *The Journal of Social Science and Humanities*.
2. Behera, S.K. (2011). Gender Biases in Indian New Media. *The Journal of Social Science and Humanities*.
3. Behera, S.K. (2012). Management of Media. *Issues of Journalism Ethics and Freedom*.
4. Manoj, D., Behera, S.K. (2014). Youth Activism Through Social Media in Assam: An Exploratory Study, *Dev Sanskriti Interdisciplinary International Journal*, 4, 8-17, (ISSN: 2279-0578).

**Mr. Manoj Deori**

1. Debkumar, C., Manoj, D., Sangeeta, P., Ravi, T (2013), Virtual Ergonomics Laboratory: Human Body Dimension Relevance, *Advanced Engineering Forum*, 10, 22-27  
DOI:10.4028/www.scientific.net/AEF.10.22.
2. Manoj, D. and Sunil, K.B., (2014) Youth activism through Social media in Assam: An Exploratory Study, *Dev Snaskriti Interdisciplinary International Journal*, 4, 8-17 (ISSN : 2279-0578).

Department of Linguistics

## BRIEF PROFILE OF THE DEPARTMENT OF LINGUISTICS

1	Name of the Department	<b>: Linguistics</b>																				
2	Year of the Establishment	<b>: 1983</b>																				
3	Courses/Programmes and Subject combinations offered	<b>:M.A. and Ph.D. in Linguistics Diploma in Russian Lanugage (DRL)</b>																				
4	Number of teaching posts Sanctioned Filled	<b>➤ Sanctioned-04 ➤ Filled-03</b>																				
5	Number of Technical Staff present	<b>: 01</b>																				
6	Number of Students ( Men / Women) Give Details Course Wise	<table border="0" style="width: 100%;"> <tr> <td style="width: 5%;"><b>➤</b></td> <td style="width: 15%;"><b>M</b></td> <td style="width: 15%;"><b>F</b></td> <td style="width: 15%;"><b>TOTAL</b></td> <td style="width: 55%;"></td> </tr> <tr> <td><b>➤</b></td> <td><b>MA</b></td> <td><b>10</b></td> <td><b>-</b></td> <td><b>10</b></td> </tr> <tr> <td><b>➤</b></td> <td><b>PHD</b></td> <td><b>01</b></td> <td><b>-</b></td> <td><b>01</b></td> </tr> <tr> <td><b>➤</b></td> <td><b>DRL</b></td> <td><b>10</b></td> <td><b>-</b></td> <td><b>10</b></td> </tr> </table>	<b>➤</b>	<b>M</b>	<b>F</b>	<b>TOTAL</b>		<b>➤</b>	<b>MA</b>	<b>10</b>	<b>-</b>	<b>10</b>	<b>➤</b>	<b>PHD</b>	<b>01</b>	<b>-</b>	<b>01</b>	<b>➤</b>	<b>DRL</b>	<b>10</b>	<b>-</b>	<b>10</b>
<b>➤</b>	<b>M</b>	<b>F</b>	<b>TOTAL</b>																			
<b>➤</b>	<b>MA</b>	<b>10</b>	<b>-</b>	<b>10</b>																		
<b>➤</b>	<b>PHD</b>	<b>01</b>	<b>-</b>	<b>01</b>																		
<b>➤</b>	<b>DRL</b>	<b>10</b>	<b>-</b>	<b>10</b>																		
7	Ratio of Teacher to Students	<b>: 1:7</b>																				
8	Ratio of Teachers to Research Scholars	<b>: 1:3</b>																				
9	Number of Teachers Scholars who have obtained their master's degree from other institutions	<b>: 03</b>																				
10	Number of Teachers in Academic Bodies of other Autonomous Colleges and Universities	<b>: NIL</b>																				
11	Latest revision of the curriculum ( year)	<b>: 2015</b>																				
12	Number of student passed in NET/ SLET etc. ( last 5 years)	<b>NIL</b>																				
13	Success Rate of Students	<b>: 100%</b>																				
14	Demand Ratio ( No. of application)	<b>: 2:1</b>																				
15	Awards and recognition received by faculty ( last 5years)	<b>: 01</b>																				
16	Faculty who have attended National/ International Seminars ( last 5 years) (numbers only)	<b>➤ National- 05 ➤ International-11</b>																				
17	Number of National Seminars Organize ( Last 5 years)	<b>: NIL</b>																				
18	Number of Teachers engaged in consultancy and the revenue generated	<b>: NIL</b>																				
19	Number of Ongoing projects and their total outlay	<b>: NIL</b>																				
20	Research project completed during last five years & their Outlay	<b>: NIL</b>																				
21	Number of inventions and patents	<b>: NIL</b>																				
22	Number of Ph. D theses guided during the last five years	<b>:Ph.D. Awared -03</b>																				
23	Publication by faculty ( last five years)	<b>:11</b>																				
24	Average citation index and impact factor of publication	<b>:</b>																				
25	Number of Books in the Department library, if any	<b>263</b>																				
26	Number of Journals / Periodicals in the departmental library	<b>: NIL</b>																				
27	Number of Computers in the department	<b>: 09</b>																				
28	Annual Budget ( Excluding Salary) In Rupees	<b>: Centrally purchased</b>																				
	i)Equipmentii)Books and Journals																					
	iii)Other contingency iv) Lab. Contingency																					

### Evaluative Report of the Department

1. Name of the Department : **Linguistics**
2. Year of establishment :1983
3. Is the Department part of a School/Faculty of the university? :Faculty of Humanities and Social Sciences
4. Names of programmes offered : MA , PhD and Diploma in Russian Language
5. Interdisciplinary programmes and departments involved -Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc. -Nil
7. Details of programmes discontinued, if any, with reasons -Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System  
: MA: Semester, DRL: Annual
9. Participation of the department in the courses offered by other departments - Allied Elective courses are introduced under CBCS
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	Nil	-	-
Reader	01	01	01 CAS, 01 Open
Lecturer	03	03	02

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No of years of Experience	No of phd/m.phil/dlitt guided during last 05 years
Dr. D.S. Gouda	Ph.D.	Reader	Dialectology, Sociolinguistics, Psycholinguistics	24	Continuing: 05
Dr. S. Sinha	M.Phil., Ph.D.	Reader	Socio-Linguistics, Applied Linguistics, Language Planning, Language in Education, Tribal Studies, Gender Studies, Language Documentation, Communicative Skills	29	Awarded: 03 Submitted: 01 Continuing: 05
Dr. S. Tripathy	M.Phil., Ph.D.	Reader (Voluntarily Retired in 2011)	Lexicography Phonology, psycholinguistics	22	NIL
Dr. A.K. Panda	Ph.D.	Sr. Lecturer	Russian language Philology	18	NIL
Mr. A.K. Kujur	M.Phil.	Lecturer	Morph syntax, phonology, syntax, communicative skills	02	NIL

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors -Nil

13. Percentage of classes taken by temporary faculty–programme-wise information : Nil
14. Programme-wise Student Teacher Ratio 5:1 Linguistics 12:1 DRL
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual .Peon -1 ,Assistant-1 (sometimes on sharing basis)
16. Research thrust areas as recognized by major funding agencies – Language Documentation, Socio-Linguistics, Applied Linguistics
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. UGC project around Rs 3 cr accepted in October 2014 involving all faculties
18. Inter-institutional collaborative projects and associated grants received -Nil
  - a) National collaboration
  - b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. - UGC project around Rs 3 CR accepted in October 2014
20. Research facility / centre with
  - a. State recognition : ✓
  - b. National recognition : ✓
  - c. International recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies -Nil
22. Publications:
  - Number of papers published in peer reviewed journals (national / international) - 10
  - Monographs : Nil
  - Chapters in Books : 01
  - Edited Books : Nil
  - Books with ISBN with details of publishers : Nil
  - Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.)
  - Citation Index – range / average
  - SNIP
  - SJR
  - Impact Factor –range /average
  - h-index
23. Details of patents and income generated -Nil
24. Areas of consultancy and income generated -Nil
25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad

26. Faculty serving in
- National committees
  - International committees
  - Editorial Boards
  - any other (please specify)

Dr Smita Sinha - Editorial Board – Researcher world

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Mr A.K.Kujur

- Orientation Course Sambalpur University 2013
- Refresher Course in linguistics Ranchi University, 2014

Student projects

- percentage of students who have done in-house projects including inter-departmental projects -Nil
  - percentage of students doing projects in collaboration with other universities
    - industry / institute –Nil
28. Student projects
- percentage of students who have done in-house projects including inter-departmental projects : In house Projects 50%
  - percentage of students doing projects in collaboration with other universities industry / institute : 50%
29. Awards / recognitions received at the national and international level by Faculty
- Dr S.Sinha- Appointed as Honorary Mayor President of city of Baton Rouge, Parish of East Baton Rouge, by Melvin L Kip Holden, Mayor President, city of Baton Rouge Louisiana, USA, on 17<sup>th</sup> Feb 2011
    - Doctoral / post doctoral fellows
    - Students: Rajashree Sahoo -Best Woman Athlete, BU, 2011.
30. Seminars/ Conferences/Workshops organized and the source of funding (National
- International) with details of outstanding participants, if any. -Nil
31. Code of ethics for research followed by the departments –Since, we conduct research on human samples, and guidelines prescribed by American Association of Psychology on ethical issues are practiced.
32. Student profile programme wise

Name of the programme	Application received	Selected male	Selected female	Pass % male	Pass % female
2010 MA	13	04	04	100%	100%
DRL	23	10	Nil	100%	
2011 MA	06	04	Nil	100%	Nil
DRL	14	03	Nil	100%	Nil
2012 MA	22	06	01	100%	100%
DRL	23	08	Nil	100%	Nil
2013 MA	17	06	Nil	100%	Nil
DRL	13	08	01	100%	100%
2014 MA	10	04		100%	Nil
DRL	15	09	01	100%	100%

## 33. Student diversity

Name of the programme	%of student from same university	%of student from universities within state	% of student from universities outside state	% of student from universities outside state
MA LINGUISTICS	90%	10%	Nil	Nil
DRL	90%	10%	Nil	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. NIL

## 35. Student progression

Student progression	Percentage against enrolled
UP to PG	
PG to M.Phil	
PG to Ph.D	10%
Ph.D to Post- Doctoral	
Employed	
• Campus selection	80%
• Other than campus recruitment	
Entrepreneur	10%

## 36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	Nil
From other universities within the State	Nil
From universities from other States	75%
Universities outside the Country	25%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period -01

Mr A.K.Kujur received M.Phil in Linguistics from Delhi University in 2014.

38. Present details of departmental infrastructural facilities with regard to

- Library –Books -256
- Internet facilities for staff and students -Nil
- Total number of class rooms - 03
- Class rooms with ICT facility–Nil
- Students' laboratories –one computer lab
- Research laboratories -Nil

39. List of doctoral, post-doctoral students and Research Associates

a. from the host institution/university -09

Sabita Kumari Suaro

S.K.Sahoo

Aneeta Panda

P.C.Mandal

U.N.Panda

Job.K.Thomas.

S. K. Paramaguru.



- R.C.Panda  
B.Paramaguru
- b. from other institutions/universities -04  
Syed Yusuff Ali  
P.K.Sahoo  
A.Jain  
S.N.Nayak
40. Number of post graduate students getting financial assistance from the university-08 Students received ST/SC/OBC stipend from Govt of Odisha
41. Was any need assessment exercise undertaken before the development of new programme(s)?  
If so, highlight the methodology. NA
42. Does the department obtain feedback from
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes CHANGE SYALLBUS,TEACHING METHODOLOGY
  - Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? BY IMPROVING ON TARGET AREA
  - Alumni and employers on the programmes offered and how does the department utilize the feedback? FOR OVER ALL DEVELOPMENT
43. List the distinguished alumni of the department (maximum 10)
- A. Administrative Service;
- Ms Manaswini Sahoo OAS
- B. Banking Sector (officer cadre):
- Ms.Maytryee Panda SBI
  - Ms.Mahasweta Mishra Axis Bank
- C. IT sector-Computational Linguistics
- Dr Ranjan Das CDDAC, Pune
- D. Medico-sector -Neuro Linguistics
- DR Subhra Mayee Rath Neurolinguist
- E. Government of India (Class-I)
- DR Ranjita Nayak Office of Registrar General, Govt. of India, New Delhi
- F. Entrepreneurship/Industry
- Rtn M.Dhanajaya Reddy Siva Bricks and Subhom Plast
- G. Academics -Overseas
- DR Subrat Kalyan Patnaik University in Saudi Arabia
- H Academics –in India
- Dr Suneeta Tripathy, Former Reader BU
  - Dr Sabita Kumari SuaroPrincipal Gayatri Womens College, Berhampur
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts. NIL
45. List the teaching methods adopted by the faculty for different programmes.  
PRAAT software is used to teach Phonetics
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? BY DISCUSSION, DEBATE, QUIZ

47. Highlight the participation of students and faculty in extension activities.  
By all in Swatch Bharat Abhijan, students in NSS Programme
48. Give details of “beyond syllabus scholarly activities” of the department.  
Students and Research Scholars Attend Various Conferences Held By This University and Other Universities
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. NO
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
51. Detail five major Strength, Weakness, Opportunities and Challenges (SWOC) of the department.

**Strength**

- Motivated, talented, dedicated and devoted teachers
- all the teachers are trained in top most institutes in India and Abroad like Delhi University, Moscow University, Deccan College, Annamalai University
- Good student teacher relation Students are encouraged to develop Leadership quality and serve as Student Union President, Secretary and other office bearer regularly.

**Weakness**

- Student composition-mostly from rural areas of South Odisha
- Students with less communicative skills
- No All India basis of student diversity

**Opportunities**

- To excel in IT sector as computational linguist
- medico sector as Neurolinguist and Speech Pathology
- Language documentation

**Challenges**

- Less number of faculty
- little infrastructure
- Few NT manpower

**50. Future plans of the department:**

- To make the department a leading research center in the area of Endangered Indigenous Language Documentation (In fact, the department is already in the process of receiving grants from UGC to establish a Centre for Endangered Indigenous Language Documentation )
- To make a leading centre in Socio Linguistics, Applied Linguistics and Foreign Languages

**RESEARCH PUBLICATIONS (2010-2015)  
DEPARTMENT OF LINGUISTICS****Dr. Smita Sinha:**

1. Gupta, A., Maira, S., Sinha, S. (2015). Academic Performance and Therapeutic Breathing. World Academy, International Science (Index. 132-139.) ISSN: 1307-6892.
2. Sinha, S., Mohanty, R.R. (in press). Language endangerment status of Kuvi. Research Journal of Berhampur University. Vol-II. ISSN- 2250-1681.
3. Gupta, A., Sinha, S., Pribesh, S., Maira, S. (2014). A fresh breath in student achievement: Pranayama and Educational outcomes. International journal of Humanities and social invention. www.ijhssi.org. Vol-3 issue 10. oct 2014. 38-46. ISSN 2319-7722.
4. Jain, A., Sinha, S. (2014). Language processing by QDVFA of order “s”. Journal of Algebra and Applied Mathematics. Vol- 12, No 1&2 .39-48, ISSN -: 2319-7234.
5. Jain, A., Sinha, S. (2013). SDVFA Languages, Language in India. Vol 13:5, May 2013. ISSN- 1930-2940.
6. Suaro, S., Sinha, S. (2012). Attitude towards English: A study on higher secondary ESL students. Nepalese Linguistics. Vol:27. 206-9. ISSN- 0259-1006.
7. Sinha, S. (2012). Tribals and mother tongues .Indian Journal of World Literature vol-8. 22-39 ISSN-2229-7251.
8. Gupta, A., Sinha, S. (2011). An investigation of private and Government school teachers' beliefs about literacy Instruction. The Reading Professor. Vol 33: No2. Winter Issue. 33-39. ISSN-1066-2839.
9. Sinha, S., A. Biswal. Gupta, A. (2011). Vocabulary assessment of ESL college students: A case study. Nepalese Linguistics. Vol:26. pp 275-286 .ISSN- 0259-1006.
10. Sinha, S., Biswal, A., Gupta, A., Diawara, N., Lea Lee, G. (2011). Assessing critical reading skills among English as second language (ESL) college students' .Research Journal of Berhampur University. Vol:1. 145-153. ISSN- 2250-1681.
11. Sinha, S. (2010). Some socio-linguistic issues in tribal education in Orissa. In Dimensions of Tribal Education in Orissa (ed.). Bhubaneswar: SCSTRTI .96-101. ISBN – 9789380705088.

Department of Odia

### BRIEF PROFILE OF THE DEPARTMENT OF ODIA

1	Name of the Department	: <b>Odia</b>
2	Year of the Establishment	: <b>1968</b>
3	Courses/Programmes and Subject combinations offered	: <b>M.A., M. Phil, Ph.D. and D.litt</b>
4	Number of teaching posts Sanctioned Filled	➤ <b>Sanctioned – 06</b> ➤ <b>Filled - 06</b>
5	Number of Technical Staff present	: <b>02</b>
6	Number of Students ( Men / Women) Give Details Course Wise	<b>PG – 56</b> <b>M.Phil -16</b>
7	Ratio of Teacher to Students	: <b>PG (03:28), M. Phil (3:8)</b>
8	Ratio of Teachers to Research Scholars	:
9	Number of Teachers Scholars who have obtained their master's degree from other institutions	<b>04</b>
10	Number of Teachers in Academic Bodies of other Autonomous Colleges and Universities	<b>03</b>
11	Latest revision of the curriculum ( year)	<b>2015</b>
12	Number of student passed in NET/ SLET etc. ( last 5 years)	<b>15</b>
13	Success Rate of Students	<b>100%</b>
14	Demand Ratio ( No. of application)	<b>5:1</b>
15	Awards and recognition received by faculty ( last 5years)	: <b>Nil</b>
16	Faculty who have attended National/ International Seminars ( last 5 years) (numbers only)	: <b>06</b>
17	Number of National Seminars Organize ( Last 5 years)	: <b>05</b>
18	Number of Teachers engaged in consultancy and the revenue generated	: <b>Nil</b>
19	Number of Ongoing projects and their total outlay	: <b>SAP – Rs. 56 lakhs</b>
20	Research project completed during last five years & their Outlay	: <b>Nil</b>
21	Number of inventions and patents	: <b>Nil</b>
22	Number of Ph. D theses guided during the last five years	:
23	Publication by faculty ( last five years)	: <b>106</b>
24	Average citation index and impact factor of publication	: <b>NA</b>
25	Number of Books in the Department library, if any	: <b>10,000</b>
26	Number of Journals / Periodicals in the departmental library	:
27	Number of Computers in the department	: <b>02</b>
28	Annual Budget ( Excluding Salary) In Rupees	:
	➤ Equipment	:
	➤ Books and Journals	: <b>Books: Rs. 1,08,000/-, Journal</b>
	➤ Other contingency	<b>centrally allocated for all the</b>
	➤ Lab. Contingency	<b>departments</b>
	➤ Office Contingency	: <b>Rs. 1000/-</b>

### Evaluative Report of the Department of Odia

1. Name of the Department : **Odia**
2. Year of establishment : **1968**
3. Is the Department part of a School/Faculty of the university: Faculty of Humanities and Social Sciences.
4. Names of programmes offered: UG, PG, M.Phil., Ph.D. & D.Lit.
5. Interdisciplinary programmes and departments involved: Yes; Research in collaboration with the Dept of Culture & Society, Aarhus University, Denmark on Material culture of community of South Odisha.
6. Courses in collaboration with other universities, industries, foreign institutions, etc. -Nil
7. Details of programmes discontinued, if any, with reasons -Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Semester pattern, CBCS to be introduced from 2015-16.
9. Participation of the department in the courses offered by other departments : Allied Elective courses are introduced under CBCS
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	Filled	03
Associate Professor	02	Filled	
Assistant Professor	04	03	02

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. Of Years of Experience	No. of Ph.D./ M.Phil Students guided for the last 5 years
Dr.Aswini Kumar Panda	M.Phil, Ph.D	Professor	Medieval Odia Literature , Bhaja, Editing and Folk Literature	33	Ph.D -03 M.Phil -07
Dr. D.P. Patnaik	Ph.D	Professor	Modern Odia Literature and Folklore	33	Ph.D-07 M.Phil-24
Dr. .P.K.Swain	M.Phil, Ph.D	Professor	Modern Odia Literature and Folklore	18	Ph.D-02 M.Phil-24
Dr. S.Naik	M.Phil, Ph.D,Dilt	Reader	Drama , Linguistics and Folklore	18	Ph.D-06 M.Phil-14
Dr. D.P. Satapathy	M.Phil, Ph.D,	Lecturer	Drama	04	M.Phil-02
Dr. Sameer Bhoi	M.Phil, Ph.D,	Lecturer	Folklore	04	M.Phil-02

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors Visiting Fellow:
  - Prof. Purna Ch.Mishra –2012
  - Prof. Bauribandhu Sahu -2013
13. Percentage of classes taken by temporary faculty – programme-wise information : Nil
14. Programme-wise Student Teacher Ratio : 12:1
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual - 02 (Filled and Actual) Curator -1, Copyist -1, Office Asst- 1 Dww peon -1.
16. Research thrust areas as recognized by major funding agencies :UGC(Sap- DRS-1) “Folk Tradition and Tribal of South Odisha and Tribalore of south Odisha”.
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.
 

Dr. S, Naik- National Project Title: “A Structural Approach to Odia Vocabulary”  
Grant received: Rs.4, 51600/- , Funding Agency: UGC
18. Inter-institutional collaborative projects and associated grants received : Nil
  - a) National collaboration
  - b) International collaboration: with Arose University Scholar Prakiti Ramesh, Material Culture in tribals of South Odisha
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.: UGC-SAP DRS-1
20. Research facility / centre with:
  - a. State recognition :√
  - b. National recognition :√
  - c. International recognition :√
21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil
22. Publications:
  - Number of papers published in peer reviewed journals (national / international):79
  - Monographs: Nil
  - Chapters in Books: 05
  - Edited Books:10
  - Books with ISBN with details of publishers: 12
  - Number listed in International Database (For e.g. Web of Science, Scopus,:
  - Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - Citation Index – range / average:
  - SNIP:



- SJR:
- Impact Factor – range / average:
- h-index:

23. Details of patents and income generated : Nil
24. Areas of consultancy and income generated : Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions/ industries in India and abroad :Nil
26. Faculty serving in
- b) National committees b) International committees c) Editorial Boards d) any other (please specify)

Name	Designation	National committee
Dr. A.K.Panda	Professor	Member-Advisory Board, Sahitya Akademi, New Delhi
Dr. D.P.Patnaik	Professor	Member-Advisory Board, Sahitya Akademi, New Delhi
Dr. D.P.Patnaik	Professor	Member-Advisory Board, Sahitya Academy, Odisha, Bhubaneswar

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Name	Designation	Training Programme attended	Date	Place
Dr.Sameer Bhoi	Lecturer	Orientation Programme Winter Course	5 <sup>th</sup> March to 1 <sup>st</sup> April 2012 11 to 31 <sup>st</sup> Dec. 2013	ASC,Sambalpur University -do-
Dr. D.P.Satapathy	Lecturer	Orientation Programme Refresher Course	30 July to 19 Aug.2012 15 Feb to 07 Mar,2014	ASC,Sambalpur University ASC, Utkal University

28. Student projects
- a. Percentage of students who have done in-house projects including inter-departmental projects: 100% (Term Papers in P.G and Dissertation in M.Phil as mandatory.
- b. percentage of students doing projects in collaboration with other universities / industry / institute : Nil

29. Awards / recognitions received at the national and international level by

- a. Faculty : Nil
- b. Doctoral / post doctoral fellows : Nil
- c. Students : Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstation participants, if any.

National Seminar(Topic)	Funding Agencies	Date	Outstations Participants
01. Odia Loka Sahityara Sima O Sambhabana	UGC	11-12 Nov,2011	105
2.Performing Traditions of south Odiaha	UGC	24-25 March,2012	110
3.Upendra Bhanja	UGC	17 April, 2013	50
4.Tribal culture of south Odisha	UGC	29-30 March, 2014	98
5.Folk & Tribal Culture of South Odisha	UGC	21-22 March,2015	80

31. Code of ethics for research followed by the departments : Is being developed.

32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MA (Odia) 2010-11	86	09	13	100%	100%
MPhil (Odia) 2010-11	38	08	08	100%	100%
MA (Odia) 2011-12	73	06	18	100%	100%
MPhil (Odia) 2011-12	46	06	10	100%	100%
MA (Odia) 2012-13	85	07	16	100%	100%
MPhil (Odia) 2012-13	71	06	10	100%	100%
MA (Odia) 2013-14	115	06	18	100%	100%
MPhil (Odia) 2013-14	62	08	08	100%	1100%
MA (Odia) 2014-15	93	06	18	90%	100%
MPhil (Odia) 2014-15	60	05	11	100%	100%

## 33. Diversity of Students:

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MA (Odia) 2010-11	100%	37.5	6.25	-
MPhil (Odia) 2010-11	56.25			
MA (Odia) 2011-12	87.5	12.5	-	-
MPhil (Odia) 2011-12	62.5	37.5		
MA (Odia) 2012-13	73.91	26.09	-	-
MPhil (Odia) 2012-13	81.25	18.75		
MA (Odia) 2013-14	66.67	33.33	-	-
MPhil (Odia) 2013-14	75	25		
MA (Odia) 2014-15	83.33	16.67	-	-
MPhil (Odia) 2014-15	62.5	37.5		

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise

**NET: 02****MANF: 01****RGNF:16**

01. Jayanti Behera	RGNF – 2010
02.Lalita Behera	RGNF – 2010
03. Babuli Behera	RGNF – 2010
04. Damburudhar Das	RGNF – 2010
05. Sunita Behera	RGNF – 2010
06. Promod Kumar Padhan	UGC-JRF – 2010
07. Ramarao Majhi	RGNF – 20102
08. Suraja Singh	MANF – 2012
09.Sureswari Bagh	RGNF – 2012
10. Bishnupriya Sethi	RGNF – 2012
11. Suresh Kumar Majhi	RGNF – 2013
12. Prakash Chandra Sutar	RGNF – 2013
13.Rabindra Kumar Panda	UGC-JRF -2014
14. Priyadarsini Behera	RGNF – 2014
15. Tapasi Kandi	RGNF – 2014
16. Surendra Sabar	RGNF – 2014
17. Basanta Kumar Das	RGNF – 2014
18. Bhagabati Nayak	RGNF – 2014
19. Nabakishor Nayak	RGNF – 2015
20.Basanti nayak	RGNF – 2015

## 35. Student progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil.	65%

PG to Ph.D.	25%
Ph.D. to Post-Doctoral	5%
Employed	
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	75%
Entrepreneurs	

## 36. Diversity of staff:

Percentage of faculty who are graduates

Of the same university: 33.33%

From other universities within the state: 66.67%

From universities from other state: NIL

From universities outside the country: NIL

## 37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: One Ph.D (Dr.Sameer Bhoi, Lecturer in Odian the year 2012.

## 38. Present details of departmental infrastructural facilities with regard to

- Library : 10000 books
- Internet facilities for staff and students: Two
- Total number of class rooms : Three
- Class rooms with ICT facility: ICT facilities are being used in the class room.
- Students' laboratories: NIL
- Research laboratories: NIL

## 39. List of doctoral, post-doctoral students and Research Associates

a. from the host institution/university

01. Jayanti Behera	RGNF – 2010
02.Lalita Behera	RGNF – 2010
03. Babuli Behera	RGNF – 2010
04. Damburudhar Das	RGNF – 2010
05. Sunita Behera	RGNF – 2010
06. Promod Kumar Padhan	UGC-JRF – 2010
07. Ramarao Majhi	RGNF – 20102
08. Suraja Singh	MANF – 2012
09.Sureswari Bagh	RGNF – 2012
10. Bishnupriya Sethi	RGNF – 2012
11. Suresh Kumar Majhi	RGNF – 2013

12. Prakash Chandra Sutar	RGNF – 2013
13. Rabindra Kumar Panda	UGC-JRF -2014
14. Priyadarsini Behera	RGNF – 2014
15. Tapasi Kandi	RGNF – 2014
16. Surendra Sabar	RGNF – 2014
17. Basanta Kumar Das	RGNF – 2014
18. Bhagabati Nayak	RGNF – 2014
19. Nabakishor Nayak	RGNF – 2015
20. Basanti nayak	RGNF – 2015

b. from other institutions/universities : NIL

40. Number of post graduate students getting financial assistance from the university: From cultural Office.

41. Was any need assessment exercise undertaken before the development of new programme(s)?

If so, highlight the methodology: In consultation with the academic experts of other universities in Odia.

42. Does the department obtain feedback from

i. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, through discussion and deliberations in board of studies meeting and revision of syllabus accordingly.

ii. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes

iii. Alumni and employers on the programmes offered and how does the department utilize the feedback? Yes

43. List the distinguished alumni of the department (maximum 10)

1. Dr. Malabika Ray, Retd. Reader & Head, Dept of Odia Ravenswa University
2. Prof. Bauribandhu Sahu, former principal, Ravenswa College
3. Dr. Bibhudatta Mishra, former Head, Dept. of Odia, K.K. College
4. Dr. Ratnakar Chaini, Reader & Head, Dept of Odia Ravenswa University
5. Dr. Dilip Das, Reader and famous poet
6. Dr. Bailodu Panigrahi, former Head, Dept. of Odia, K.K. College
7. Dr. Haraprasad Mishra, Reader in Odia, Retd from the Govt. of odisha
8. Dr. Sasanka Sekhar Rath, Reader in Odia (Retd.)
9. Dr. Aswini Kumar Panda, Professor, Dept. of Odia, BU
10. Dr. Devi Prasan patnaik, Professor, Dept. of Odia, BU

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: See Proforma II of 1.4 & 1.5. (Apart from the weekly seminar the department has Conducted the Seminars

a) Performing tradition of south Odisha on 24-25 Mar'. 2012

- b) Tribal Culture of south Odisha on 29 & 30 March 2014.
- c) Mahaprasad as a religious Resource (Economy of Jagannath Temple) on 07.02.15
- d) Padma Shree Bhagaban Sahu memorial Lecture on 21.03.2015
- e) Folk & Tribal Culture of south Odisha on 22.03.2015.
- f) Dr. Beni Madhab Padhi memorial Lecturer on 11.04.2015
- g) Nabakalebaraa New interpose by Ronald Heidenberg, Germany.
- h) Folk Culture of South Odisha on 12.04.2015.
- i) Culture of South Odisha in collaboration with Sahitya Akademi, Odisha on 01.10.2015.
45. List the teaching methods adopted by the faculty for different programmes.  
Lecture methods, group discussion, and seminar, documentary and educational field visit.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?  
Interaction and counseling.
47. Highlight the participation of students and faculty in extension activities: Youth Festivals  
Students are actively participating in NSS, NYK and other youth affairs.
48. Give details of “beyond syllabus scholarly activities” of the department.: NIL
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- The department has invited performing traditions of the tribal’s and plainlanders for the direct interface of the students. (Geet Kudia, Ghumura, animal Mask, Ranapa, Prahlad Natak, Bharat Leela, and etc).
  - To engage the students/ Scholars for the collection and preservation of Cultural artifacts.
  - Organizing memorial lectures of eminent personalities of south Odisha.
51. Detail five major Strength, Weakness, Opportunities and Challenges (SWOC) of the department.
- Strength**
- The first Post Graduate Department of Odia literature to function in Odisha at the University level (since 1968).
  - Alumni spread all the Odisha and adjoining states to teach and do research in Odia.
  - Continues engagement in research and the leaders of establishing the South Odisha Cultural Study Centre
  - Special Assistance Programme-1.
  - Qualified and committed faculty.
- Weakness**
- Inadequate faculty strength
  - Lack of adequate and appropriate physical infrastructure/Technology.
  - Inadequate Campus placement.
  - Lack of adequate assistance for the study of the tribal’s and performing traditions.

**Opportunities**

- To develop a Museums for the “Tribal and Folklore of south Odisha”.
- To introduce need based short term skill based courses in arts and Culture.
- To digitalized the Palm-Leaf manuscripts and other rare paper manuscripts, Books .
- To edit, publish the unknown authors and their writings.
- To re-constructed history of South Odisha and its cultural heritage.

**Challenges**

- To cop up with the emerging threats in literature and culture.
- To do micro research and the tribal's of south Odisha.
- To establish collaboration with institutions of national /intermodal reputed for cultural study.
- To build up the department as “Centre of excellence “in cultural studies.

**52. Future Plan of the department**

- To introduce skill based short term concise on Tribal Study, performing Traditions, multimedia literature.
- To undertake inter disciplinary study of the tribal's and folk- Art and culture in collaboration the departments History, Linguistics, Journalism and Other govt. and non-govt. organizations.
- To establish a “heritage complexes”.
- To establish a hi-tech studio for the collection, documentation, preservation and promotion of the cultural heritage.



**RESEARCH PUBLICATIONS (2010-2015)**  
**DEPARTMENT OF ODIA**

**Professor Debi Prassana Pattanaik:**

Period	Title of the Paper/ Book with ISBN / Journal with ISSN Number	Journal / Edited Volume	Name of the Publisher and Place of Publication	Volume No.	Page Nos.
2010	<b>Book</b> Odia Kathakalpanare Uttara Adhunikata O' Anyanya Prasanga		Satyanarayana Book Store, Cuttack	1 <sup>st</sup>	
2010	Odiya Upanyasare Nayaka Parikalpana		Satyanarayana Book Store, Cuttack	1 <sup>st</sup>	
2010	Arohanara Ananya Abhibyakti: Akasara esara, 'Manoja Kala Kalpana' ISBN: 978-81-7411-754-0	Ed.: Prof. Krushna Chandra Pradhan	Vidyapuri, Cuttack	1 <sup>st</sup> ,	326-333
2010	Satya Smruti O' Mahakala Prasanga, 'Manoja Kala Kalpana' ISBN: 978-81-7411-754-0	Ed.: Prof. Krushna Chandra Pradhan	Vidyapuri, Cuttack	1 <sup>st</sup>	528-542
2010	<b>Journal</b> Uttara Adhunikata Anuchinta: Eka Drustipata, Kasturi	Ed. Sanjukta Mahapatra	Berhampur		59-60
2010	Banaupabana: Muktaponyasa Parikalpana Dharare Gangabatarana, Srujana Swapna, Saradiya	Ed. Dr. Rajani Ranasingh	Bhubaneswar		90-97
2010	Jananayaka Sashibhusana: Eka Akalana, Rabi Rasmi	Ed. Rabindra Kumar Malla	Sambhabana Saraswata Sanskruti Parishad, Aska	4 <sup>th</sup> Issue 2010	9-12
2010	Mugdha Samparkara Chitrita Abhivyakti: Sriradha, Madhya Kalinga	Ganjam Zilla Bikash Mancha	Berhampur		25-31
2010	Ganjam Loko Abhivyakti: Eka Sankhipta Akalana, Samuka	Ed. Rabi Narayan Behera	District Administration, Ganjam, Berhampur		3-6
2010	Chinha Achinhara Rupakara: Natyakar Ramesh Panigrahy, Jhankar, 62 years	Ed. S.R. Mohanty	B. Mahatab, Prajatantra Prachara Samiti, Cuttack	9 <sup>th</sup> Issue 2010	1066-1070
2010	Bilupta Abhijyata Bibhora Bodhisatwa: Dilip Dasnka Kabyanubhaba, Gokarnika	Ed. R. Jena	Gokarnika Sahitya Samaj, Jajpur	4 <sup>th</sup> Volume 2010	1-8
2010	Jajabarara Jayagatha: Abhyudaya pathara Nayak Parikalpana Saptarshi ISSN: 0973-3264	Ed. Arun Pujari	Sambalpur University, Sambalpur	1 <sup>st</sup> Year 2010	11-20
2011	<b>Book</b> 'Mugdha Anubhabara Abhinaba Anuranana: Mahanirvana Surrendra Mohanty: Srusti Samikshya	Ed. Pathani Patnaik	Sarala Sahitya Sansad, Cuttack	April 2011	
2011	<b>Journal</b> Odia Upanyasara Samajika O' Sanskrutika Mulyabodha, Madhyama Kalinga	Ganjam Zilla Bikash Mancha	Berhampur		25-28
2011	Odia Nabajagarana Parbara Sutradhara: Karmaveera Gouri Shankar, Sambhabana	Sanskra Yuva Sangathana	Golanthara	1 <sup>st</sup> yr, 1 <sup>st</sup> issue	1-4
2011	Deharu Bideha yatra: Ruparanga Ananga, Swapna Suravi	Amiyabala Patnaik	Berhampur	1 <sup>st</sup> issue	15-20
2011	Kathakalpanare Lokanubhuti Saptarshi ISSN: 0973-3264	Ed. Arun Kumar Pujari	Sambalpur University	Vol.II	8-14
2011	Chinha Manisha Achinha Akasara Istahar: Sahabasthana Saptarshi ISSN: 0973-3264	Ed. Arun Kumar Pujari	Sambalpur University	Vol.III	154-156

2012	<b>Book</b> Muktopnyasa paramparare Gangabatarana: Eka Adhyayana, Banmayaa Chitrapata	Ed. Deepankara Tripathy	Pakhighara, Bhubaneswar		87-97
2012	Drawing Mastranka Drawing Room, Banmayaa Chitrapata	Ed. Deepankara Tripathy	Pakhighara, Bhubaneswar		381- 386
2012	Nabadigantara Swara, ISBN: 13978-93-80758-46-6 'Deharu Bideha Yatra: Ruparanga Anangara Kathabhipraya	Ed. Manoranjan Bishoyee	Trupti, Bhubaneswar		44-55
2012	<b>Journal</b> Matira Malhhara Mugdha Abhisara: Dinanathanka Katha Sambhara, Saptarshi ISSN: 0973-3264	Ed. Bishnu Charan Barik	Sambalpur University	Vol.III	8-18
2012	Ganjam Lokonrutya Paramparare Ranapa Nrutya Paschima, Maha Puja	Ed. Ashok Mohanty	Bhubaneswar		421- 424
2012	Bhasa Paricharcha Kasturi	Ed. Sanjukta Mahapatra	Berhampur		62-63
2013	<b>Book</b> Loukika Aloukika : Srastha Mahapatra Nilamani Sahu, Mahapatra Nilamani Sahu: Stusti Manasa	Ed. Pathani Patnaik	Sarala Sahitya Sansad, Cuttack		151- 164
2013	'Chinha Achinhara Rupakara: Natyakar Ramesh Panigrahy, Natyakara Ramesh Panigrahy: Srastha O' Srusti	Ed. Prof. K.C. Pradhan	Satyanarayana Book Store, Cuttack		78-86
2013	Nataka, Kabita prasarita Digbalaya, ISBN: 81-86354-123-5, 'Issanaru Iswarakanika: Adhunika Odia Kabya Prasanga	Ed. Sanghamitra Mishra	Agraduta, Cuttack	Vol I	338- 341
2013	<b>Journal</b> Gairika Bibhoratara Syamala Sabdalipi: Amiya Padabali, Saptarshi ISSN: 0973-3264	Ed. Bishnu Charan Barik	Sambalpur University	1 <sup>st</sup> & 2 <sup>nd</sup> issue	1-4
2013	Odia Samalochanara Adiparbara Patha Pradarshaka: Pandita Gopinath Nandasharma, Sahitya, Naba Parba-12	Ed. Sarat Kumar Jena	Kalinga Sahitya Samaj, Berhampur	Vol-12	7-15
2014	Paribartita Prekhapatare Matrubhasara Gurutwa, Sahitya, Naba Parba-14	Ed. Sarat Kumar Jena	Kalinga Sahitya Samaj, Berhampur	Vol-14	7-10
2014	Amiya Padabali, Saswatika, Janma Visesanka, 2014	Ed. Prasant Mahanty	Sunabeda		12-16

### Professor Prassana Kumar Swain

Period	Title of the Paper/ Book with ISBN / Journal with ISSN Number	Journal / Edited Volume	Name of the Publisher and Place of Publication	Volume No.	Page Nos.
<b>Books Edited:</b>					
2010	Gopinath Mahanty: Srasta Manas;	Edited by: Dr. P.K. Swain & others	Sarala Sahitya Sansad, Cuttack-753008	Vol. 1	303 Total Pages
2010	Krupasindhu Mishra Rachanabali, ISBN: 979-81-7411-765-6	Edited by: Dr. P.K. Swain	Vidyapuri, Cuttack- 753002	Vol. 1	772 Total Pages
<b>Papers contributed in Books and Journals:</b>					
2010	<i>Odia Nabanirmana Yuga and Jagabandhu Singh; Makers of Modern Odisha and Pioneers of Odia Movement</i>	Edited by: Principal, Sc. College, Hinjilicut, Ganjam	Science College, Hinjilicut, Dist: Ganjam	13 <sup>th</sup> Jan, 2010	41-61

2010	<i>Odia Nabnirman Yuga and Sashibhusan Rath; 'The Utkal Prasang'</i>	Edited by: Sri Gurukalyan Mahapatra	The Monthly journal of I. & P.R. Department, Government of Odisha, Bhubaneswar	Jan.2010	57-63
2010	<i>Odia Prabandha Dharare Gopinathanka 'Kala Sakti' ; 'Gopinath Mohanty: Srasta Manasa'</i>	Edited by: Dr. P.K. Swain & others	Sarala Sahitya Sansad, Cuttack	April, 2010	239-255
2010	<i>Satyabadi Baa Sakhigopal : Krupasindhu Misranka Drusprapya Rachana; 'Konark'</i>	The Secretary, Odisha Sahitya Akademi, Bhubaneswar	The Qly. Literary Journal of Odisha Sahitya Akademi, Bhubaneswar-14	156 <sup>th</sup> Issue, Feb-April.2010	17-29
2010	<i>'Satyabadi Baa Sakhigopala're Itihas O Kimbadanti; 'The Samaj'</i> ,	The Editor, Samaj	Editor: The Samaj, Gopabandhu Bhawan, Buxi Bazar, Cuttack-753001	Annual Spl. Issue, 11 <sup>th</sup> July-2010	97-100
2010	<i>Barabati Durgare Krupasindhu Misranka Drusti Dingata; 'Nabapatra'</i> ,	Edited by: Sri Debendra Mohanty	The Literary Journal of the Cultural Akademi, Rourkela, Odisha	4 <sup>th</sup> Issue July-Oct. 2010	87-91
2010	<i>Swadhinata Parabarti Odia Khudragalpare Anunnata Sampradaya; Srusti O Samikshya, (Odia short story spl. Issue)</i>	The Principal, Christ College, Cuttack	The Literary Journal of Odia Sahitya Samaj, Christ College, Cuttack-8	2010-2011	81-97
2010	<i>Odia Jatiya Parbare Krupansindhu Misranka 'Konarka'; 'Janasudha' (Puja Spl. Issue),</i>	Ed. Dillip Kumar Beura	Janasudha Prakashana, Arunodaya Nagar, Cuttack	13 <sup>th</sup> Year, 1 <sup>st</sup> Issue Oct.2010	105-108
<b>Books Edited:</b>					
2011	Surendra Mohanty : Srasta Manas (Book)	Edited by: Dr. P.K. Swain & others	Sarala Sahitya Sansad, Cuttack-8	April 2011	288 Total pages
<b>Papers contributed in Books and Journals:</b>					
2011	<i>Itihasara Punargathana O Aetitihasika Krupasindhu Misra; 'The Jhankar'</i>	Chief Editor: Sri Bhartruhari Mahatab	The Premier Literary Journal of Prajatantra Prachar Samiti, Cuttack	62 <sup>th</sup> year, 11 <sup>th</sup> issue, Feb. 11	1273-1278
2011	<i>Surendranka Upanyasare Utkaliya Chetanara Pratiphalana; 'Surendra Mohanty : Srasta Manas' (Book)</i>	Edited by: Dr. P.K. Swain & others	Sarala Sahitya Sansad, Cuttack-8	April 2011	99-109
2011	<i>Hajjaichhi Thikana; Istahar</i>	Ed. by Prof. Nityananda Satpathy	Duplex-9, Sailashree Vihar, Bhubaneswar-21	118 <sup>th</sup> Issue, April,11	206-215
2011	<i>Kantakabi Laxmikantanka Sahityare Jatiya Chetana; 'The Utkal Prasang'</i>	Edited by: Sri Gurukalyan Mahapatra	The Monthly journal of I. & P.R. Department, Government of Odisha, Bhubaneswar	June. 2011	26-28
2011	<i>'Samaj're Gopabandhunka Angikarabaddhata; 'The Samaj' (Annual Spl. Issue)</i>	Edited by: The Editor, Samaj	Editor: The Samaj, Gopabandhu Bhawan, Buxi Bazar, Cuttack-01	1 <sup>st</sup> July-2011	17-20
2011	<i>Pankaru Pdama : Padmashree Mohan Nayak; The Sahitya (Nabaparva-10), Saradiya Spl. Issue-2011</i>	Edited by: Dr. S.K. Jena	Kalinga Sahitya Samaj, Berhampur	Nabapatra - 10	40-44
2011	<i>Satyabadi Banavidyalaya O Pandit Nilakantha; The Saptarshi, ISSN No. 0973-3264</i>	Edited by: The Vice-Chancellor, Sambalpur University	Sambalpur University, Burla, Odisha	4 <sup>th</sup> Issue, 2011	31-35

Book Edited:					
2012	<i>Satabddi Sadhaka : Nityananda Mohapatra</i> (Book),	Edited by: Dr. P.K. Swain & Others	Sarala Sahitya Sansad, Cuttack-8	April 2012	204 Total pages
Papers contributed in Books and Journals:					
2012	<i>Odia Khudragalpa O Nityananda Mohapatra; Satabddi Sadhaka : Nityananda Mohapatra</i> (Book),	Edited by: Dr. P.K. Swain & Others	Sarala Sahitya Sansad, Cuttack-8	April 2012	68-75
2012	<i>'Ganjamre Odia Andolana O Gopabandhunka 'Samaj'; 'The Samaj'</i> (Annual Spl. Issue)	Edited by: The Editor, Samaj	Editor: The Samaj, Gopabandhu Bhawan, Buxi Bazar, Cuttack- 753001	19 <sup>th</sup> June- 2012	105- 108
2012	<i>Sarala Das O Mahabharat; Nabaparva-2011</i>	Edited by: Dr.S. K. Jena	Kalinga Sahitya Samaj, Berhampur, Dist- Ganjam, Odisha	Saradiya Special Issue- 2012	07-19
	<i>Ama Bhasa Ama Sampad,</i>	Edited by : Prof. P.K. Mohanty	The Samaya Sampratiki	2 <sup>nd</sup> Year, 12 <sup>th</sup> Issue, 10 <sup>th</sup> Oct. 12	13-15
Book Edited:					
2013	<i>Mahapatra Nilamani Sahu: Srusti Manas</i> (Book)	Edited by: Dr. P.K. Swain & Others	Sarala Sahitya Sansad, Cuttack-8	Nov. 2013	304 Total pages
Papers contributed in Books and Journals:					
2013	<i>Gopinathanka Upanyasare Adivasi Sanskruti; The Saptarshi</i> ISSN No. 0973-3264	Edited by: The Vice-Chancellor, Sambalpur University	Sambalpur University, Burla, Odisha	January- June 2013	43-52
2013	<i>Klantahina Batoe: Jibana Jamuna Nai; Samaya Denare Sanghamitra</i>	Edited by: Dr. S. Lenka & others	Prof. S.Misra felicitation committee, Bhubaneswar	June 2013	374- 380
2013	<i>Bharatra Sikhya Byabastha O Gopabandhu Dash; 'The Samaj'</i> (Annual Spl. Issue),	Chief Editor: Gopal Krushna Mohapatra	Gopabandhu Bhawan, Buxi Bazar, Cuttack- 753001	2013	23-29
2013	<i>Sarala Das O Mahabharat; 'The Jhankar'</i>	Chief Editor: Bhartruhari Mahatab	The Premier Literary Journal of Prajatantra Prachar Samiti, Cuttack	65th year, Sept. 2013	579- 588
2013	<i>Josodeha Ayushman: Pandit Gouri Kumar Brahma; The Sahitya</i> (Nabaparva-12)	Chief Editor: D.P. Patnaik	Kalinga Sahitya Samaj, Berhampur, Odisha	Saradiya Spl. Issue- 2013	23-29
2013	<i>Ranuapa Tharu Pushi Paryanta O Mahapatra Nilamani Sahu; 'Mahapatra Nilamani Sahu: Srusti Manas'</i> (Book)	Edited by: Dr. P.K. Swain & Others	Sarala Sahitya Sansad, Cuttack-8	Nov. 2013	212- 234
Book Edited:					
2014	<i>Utkala Bharati Kuntalakumari</i> (Book)	Edited by: Dr. P.K. Swain & Others	Sarala Sahitya Sansad, Cuttack, Biswajyoti Patra, Chandini Chowk, Cuttack-2	Decembe r 2014	287 Total pages

Papers contributed in Books and Journals:					
2014	<i>Odishare Sikshyara Swapna O Gopabandhu</i> ; The Samaj (Annual Spl. Issue)	Chief Editor: Sushanta Kumar Mohanty	Gopabandhu Bhawan, Buxi Bazar, Cuttack-753001	27 June 2014	20-23
2014	<i>Kathatia kahu Kathani O Gabesika Pratibha Ray</i> ; Manaswini Pratibha Ray (Book)	Ed. By Dr. Bholanath Rout & other	Media press, 24- East, Ashok Nagar, Bhubaneswar	Vol-1	411-424
2014	<i>Viswanath Pasayat, Samakalina Odisha O Odia Sahitya</i> ; Viswanath Pasayat Birth Centenary Souvenir	Ed. By Dr. B.C. Patnaik & others	Viswanath Pasayat Birth Centenary Committee, Cuttack	10 <sup>th</sup> October, 2014	159-166
2014	<i>Bharitiya Mukti Andolana O Odia Sahitya</i> ; The Saptarshi ISSN No. 0973-3264	Ed. By Prof. C.R. Tripathy	Sambalpur University, Burla, Odisha	October-December, 4 <sup>th</sup> Issue-2014	14-22
2014	<i>'Aahwana'ra Kabi Kuntalakumari</i> ; Utkala Bharati Kuntalakumari (Book)	Edited by: Dr. P.K. Swain & Others	Sarala Sahitya Sansad, Cuttack, Biswajyoti Patra, Chandini Chowk, Cuttack-2	December 2014	209-220

**Dr. Sadananda Nayak**

Period	Title of the Paper/Book with ISBN/Journal with ISSN Number	Journal/ Edited Volume	Name of the Publisher and Place of Publication	Volume Number	Page Nos.
2010	Odia Lipire Matra o phala eka nirnayan  Odia Barna Sankhya eka Nirdharana.  Arthatatwa O Odia Sabdasambhar	Jhankar  -do-	Prajatantra Prachar Samiti, Cuttack  -do- Swarna Prakashani ,Brahmeswar Lane, Rasulgada, Bhubaneswar.	March,2010  October, 2010	1341-1349  906-916  157
2011	Karani Lipira swarup eka Nirnayan  The Indeclinables in Odia	Jhankar  Research Journal of Berhampur University.	-do-  Berhampur University, Berhampur.	October 2011  Volume - 1, 2011	873-890  246-252
2012	Odia Biparita arthabodhakata, Odia Shabda o Niyam Nirdharana.  Madyamik Byakarana ( co- Writer) Rasik Harabali ( Edt)	Jhankar	Prajatantra Prachar Samiti, Cuttack.  Board of Secondary Education ,Odisha. Swarna Prakashani , Brahmeswar lane , Rasulgad,Bhubaneswar.	July , 2012	468 - 478  114
2013	Adi Natyakarnka Natakare Samajik samasya.  Samay Denare Sanghamitra (Co-Edt.)  Natak Kabita Prasarita Digbalay. (Co-Edt.)	Natak ,Kabita Prasarita Digbalaya. Edt.Prof. Sanghamitra Mishra Suranjan Lenka Sadananda Naik	Agraduta, Banka Bajara, Cuttack.  Prof.Sanghamitra Mishra Abhinandan Samiti.B.35 Sahid nagar , Bhubaneswar. Agraduta , Bankabajar< Cuttack.	2013	251-256  572  583

2014	Odia Samoccharita Sabdara Swarup: eka nirnayan. Refa jogare dwitwa : eka Bichar. Odia Riti Sahityare Odia Bhasara Swarup. Niara Natyakar Bijaya kumar satapathy	Jhankar -do- Utkala Prasanga  Drusyadrusyantar jibana Natak. Edted by Prof. Sanghamitra Mishra& others	Prajantra Prachar samiti, Cuttack. -do- Department of Culture and Public Relation Govt. Of Odisha. Ethena Books, Bhubaneswar.	January 2014  November 2014  March 2014  2014	1096-1102 799-802 87-92 279-285
------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------	------------------------------------------

**Dr. Sameer Bhoi:**

Period	Title of the Paper / Book with ISBN/Journal with ISSN Number	Journal / Edited Volume	Name of the Publisher and Place of Publication	Volume No.	Page Nos.
2010	“Purnnananda Daninka Nisha : Eka Bihangabalokana”		Sahakara		70-71
2012	Adibasi Sanskruti Sabar Lila Samajika bibarttanare, Adibasi Sanskruti	Sahitya page Swaranika Saptarshi	Saradiya bisesanka Lokamahoswaba Bargarh	III	78-84 65-70 72-75
2013	Adibasi Loka nata Sabar Lila: Eak Adhayana	Sahitya page	Saradiya bisesanka		77-85
2014	Manabetara galpa mansa ra bilapa : Eaka anusheelana Odia ramya rachana paramparare Gopinath mahantinka Kala-Shakti Lupta praya paschimanchaliya jibika bhittika Loka khela	Sahitya page  Saptarshi  Swaranika,	Saradiya bisesanka  Sambalpur University  Lokamahoswaba , Sambalpur		18-21  111-115

**Dr. Deviprasad Satpathy:**

Period	Title of the Paper / Book with ISBN/Journal with ISSN Number	Journal / Edited Volume	Name of the Publisher and Place of Publication	Volume No.	Page Nos.
2010	Swadhinata Parabarti Odia Natakara Samaja Tatwa.	January – 2010	Konarka (Odisha Sahitya Academi)	January -2010	07
	Bharata Barsha ra Bibhinna Natya Dhara re Loka Upadana ra Prayoga. (Bisuba Sankhya)	April – June – 2010	Gokarnika	April – June - 2010	14
	Jadu Abadhuta Sambada ra Sahityika Mulya O Darsanika Diga. (Puja Issue)	Puja Issue – 2010	Gokarnika	Puja Issue – 2010	367
2011	Jatra Jagata ra Prabada Purusa Phakira Sahani	2011	Jatra Sainyasi	2011	22
	Saba Bahaka Mane ra Silpa Riti. (Souvenir)	July – 2011	Bijayabasa	July – 2011	57
	Uddbhata Natya Riti	Puja Issue 2011	Gokarnika	Puja Issue 2011	35
2012	Krushna Chuda ra Ranga O Gitikara Rabi Narayana Senapati.	Puja Issue 2012	Smruti Lipi	Puja Issue 2012	156
2013	<u>Book name-</u> Nataka, Kabita, Prasarita Digbalaya	<u>Edited by –</u> Prof. Sanghamitra Mishra,	Agraduta, Cuttack	2013	234

	<u>Title of paper-</u> Loka Upadanara prayoga reeti ISBN No. 81-86354-123-5	Dr. S. Nayak			
	Mati Mohare Matira Mahaka O Sangharshamaya Jeevanara Chitrapatta.	Bisuba issue	Gokarnika	2013	21
	Samaya Dena re Sanghamitra	July – 2013		2013	466
	Samakalina Odia Kabita re Natakiyata	Puja issue	Gokarnika	2013	35
	Mukha Talara Muhan- Eka Pathakiya Pratikriya	Puja issue	Bartika	2013	572
	Mulyabodhara Sankata O Jeevana Jantranara Chitrapatta : Dhrutarashtra ra Akhi.	December	Kasturi	2013	19
2014	Drushya, Drushayanta: Jeevana, Nataka  Natyakara Jeevanara Adyakruti: Phasil ra Nidrabhanga. ISBN No. 13978-93-73-9-80759	Edited by – Prof. Sanghamitra Mishra, Dr. B. Otta, Dr.S.Tripathy, Dr. G.Panda, Mr. M. Das	Ethana Books, Cuttack	2014	438
	Samakalina Odia Kabita Samakalina Odia Kabitara Natakiyata ISBN No. 81-87989-86-6	Edited by: Prof. Bauribandhu Kar	Mahaveer Prakashan, Bhubaneswar	2014	225
	Abega O Mamatara Pratilipi : Janani	July-2014	Bijayabasa	2014	52
	Adivasigosthi Didaye ra Jibanacharjya O Dharma Dharana	Puja Issue	Gokarnika	2014	12

Department of Political Science



## BRIEF PROFILE OF THE DEPARTMENT OF POLITICAL SCIENCE

1. Name of the Department : **Political Science**
2. Year of Establishment : 1968
3. Courses/Programmes and subjects combinations offered: PG, M.Phil., Ph.D.,
4. Number of teaching posts sanctioned filled : Sanctioned -06, Filed-03
5. Number of technical staff present : Nil
6. Number of students (Men/Women) Give details course wise  
: PG. Men-13 women-19 Total -32
7. Ratio of teacher to students : 8 : 1
8. Ratio of teacher to research scholars : 4:1
9. Number of Teachers Scholars who have obtained Master's degree from other institutions  
: Teachers : 02 Scholars: 05
10. Number of teachers in academic bodies of other autonomous colleges and universities  
: 01
11. Latest revision of curriculum (year) : 2015
12. Number of students passed in NET/SLET/ etc (Last Five years) : Nil
13. Success rate of students : 100%
14. Demand ratio: (Number of Applications) : 1:5
15. Awards and recognitions received by faculty( last five years): Nil
16. Faculty who have attended national/ International seminars(Last five years) Numbers  
Only) \* : National- 68 International- 13
17. Number of National Seminar organized (last Five years): 01
18. Number of teachers engaged in consultancy and revenue generated: Nil
19. Number of ongoing projects and their total outlay: Nil
20. Research projects completed during the last five years and their outlay: Nil
21. Number of inventions and patents : Nil
22. Number of Ph.D theses guided during the last five years: 08
23. Publication of faculty (last Five years) : 95
24. Average citation index and impact factor of publication: NA
25. Number of books in the department library, if any: 1364 Books
26. Number of journals/ periodicals in the departmental library: Nil
27. Number of computers in the Department (Desktop): 04
28. Annual budget(excluding salary) in rupees
  - Equipments:- Rs.180000/- (2014-15)
  - Books : - 108000/- (2014-15)
  - Journals: 5000/- (2014-15)
  - Other contingency:1000/- (PA)
  - Lab. Contingency: Nil

### Evaluative Report of the Department

1. Name of the Department : **Political Science**
2. Year of establishment : 1968
3. Is the Department part of a School/Faculty of the university? Yes, Faculty of Social Sciences and Humanities.
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.): PG/M.Phil. and Ph.D
5. Interdisciplinary programmes and departments involved: Nil  
Departmental members are involved in the academic programmes of Women Studies and Centre for Canadian Studies
6. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
7. Details of programmes discontinued, if any, with reasons : Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Semester Pattern. CBCS with effect from Session 2015-16.
9. Participation of the department in the courses offered by other departments : Allied Elective courses are introduced under CBCS
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	One	One	One (Open) + One
Associate Professors/Readers	Two	One	--
Asst. Professors/Lecturers	Three	Two	Two

11. (a) Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D./ M. Phil. Students guided for the last 5 years
Dr. Jinendra Nath Mahanty	M.A.(Delhi) M.Phil., Ph.D (JNU)	Professor & Head	International Politics, Chinese Studies, Political Theory	31 years	Ph.D.-06 M.Phil-09
Dr Jugal Kishore Mishra	M.A, Ph.D	Professor	Gender Politics, International Politics and Political Theory	36 years	Ph.D.-07 M.Phil-09
Dr. Roshni Kujur	M.A, M.Phil, Ph.D	Lecturer	Political Sociology and Tribal Development	4years	Nil
Dr. Dasarathi Bhuiyan	M.A., Ph.D	Lecturer	Odisha Government & Politics and Public Administration	24 years	Ph.D.-07 M.Phil-07

- (b) Superannuated Professor: 2010-2015

1. Prof. S.L. Panda - Retired on 30.09.2011
2. Prof. J.K. Mahapatra – Retired on 31.07.2013.
3. Prof. A.K. Paricha – Retired on 31.05.2014
4. Prof. B.C. Choudhury – Retired on 30.06.2014

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors :  
 Professor Emeritus –  
 Dr. Snehalata Panda (2010-2012)  
 Dr Amiya Kumar Paricha (2015- Continuing)
13. Percentage of classes taken by temporary faculty – programme-wise information : Nil
14. Programme-wise Student Teacher Ratio: M.A - 8:1 , M. Phil – 3:1
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:
  - Technical staff –Nil
  - Administrative staff -01
16. Research thrust areas as recognized by major funding agencies: ICSSR, UGC :
  - State Politics
  - International Politics
  - Tribal Studies
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: Nil
18. Inter-institutional collaborative projects and associated grants received : Nil  
 a) National collaboration: UGC Grant for organising national seminars  
 b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil
20. Research facility / centre with -
  - State recognition :√
  - National recognition :√
  - International recognition :√
21. Special research laboratories sponsored by / created by industry or corporate bodies- Nil
22. Publications:
  - Number of papers published in peer reviewed journals (national/international) : 66
  - Monographs : Nil
  - Chapters in Books-18
  - Edited Books -04
  - Books with ISBN with details of publishers: 07

**J.K. Mishra**

State Politics in India: A Study of Orissa 1976-1980 Bhubaneswar:  
 Page Maker) 2010, 1971-1980 ISBN 978-81-92052-0-1

**D. Bhuiyan**

Government and Politics in Odisha, ISBN: 978-93-5074-114-6, 2014, Abhijeet Publication,  
 New Delhi

- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.)

- Citation Index – range / average
- SNIP
- SJR
- Impact Factor – range / average
- h-index

23. Details of patents and income generated : Nil

24. Areas of consultancy and income generated : Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions, industries in India and abroad :

**Prof Jayant Kumar Mahapatra**

- Visited Carleton University, Ottawa, Canada as the part of the Shastri Indo-Canadian Vice Chancellor Delegation during June 17-18, 2011.

**Prof J.N. Mahanty**

- Presented a paper at National Symposium on “Shifting Paradigm: Mapping Internationalisation of Education”, organised by SICI, New Delhi on 17-18 April, 2010 at Law University Lucknow
- Canadian Studies Workshop by Shastri Indo-Canadian Institute, New Delhi, 30<sup>th</sup> March, 2011.

**Prof. Jugal Kishore Mishra**

- As a member of the FICCI Higher Education Delegation to China 2014 visited universities of Beijing, Wuhan and Shanghai on March 23-30, 2014.
- Participated 9th FICCI Higher Education International Summit 2013 titled “Building Networks for Transforming Indian Higher Education Enabling to Deliver Value” as a delegate at New Delhi on November 13-14, 2013
- Presented a Paper on” Signposting the Possible Evolution of India Pakistan Security centric Foreign Policy.” In the ICAS 8 Conference held at Macau on June 24-27, 2013.

26. Faculty serving in

- b) National committees b) International committees c) Editorial Boards d) any other (please specify)

**Prof. J.N. Mahanty** as the Director of Canadian Studies organised two National Seminars

1. Organised National Seminar on Democracy, Nation and Ideology: Indo-Canadian Perspectives” in collaboration with SICI, New Delhi and Centre for Canadian Studies, Berhampur University (Director of the Seminar).
2. As a Director of Centre of Canadian for Studies, Berhampur University Organised a National Seminar on “Defense, Diplomacy and Development: Indo Canadian Perspectives in Collaboration with Shastri Indo-Canadian Institute, New Delhi” on February 18-19, 2012.

**Prof. Jugal Kishore Mishra** has been member of various committees:

1. As Director, Centre for Canadian Studies, Berhampur University organised a national seminar on “Challenges to Internal Security: An Indo-Canadian Perspective” on 12.03.2013 at Bhanja Bihar, Berhampur University.

2. As Director, Centre for Canadian Studies, Berhampur University organised a national seminar on “Indigenous people and their Rights: Issues and Challenges” on January 10-11, 2013 at Bhanja Bihar, Berhampur University.

#### **Editorial Board**

- Executive member of Indian Political Science Association between 2011-13
  - Member of editorial board of Indian Journal of Political Science-2010-11
  - President Odisha Political Science Association, 2011-14
  - Member, Editorial Board, New Age.
  - Member of editorial board of Research Journal of Berhampur University, Odisha
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs): Faculty members of the department have delivered lectures in UGC Refresher/orientation courses as resource person and also delivered invited lectures at various workshops and conferences.
28. Student projects:
- Percentage of students who have done in-house projects including inter-departmental projects: 50%.
  - percentage of students doing projects in collaboration with other universities industry / institute : 50%.
29. Awards / recognitions received at the national and international level by
- Faculty : Nil
  - Doctoral / post doctoral fellows: Nil
  - Students : RGNF Awardee (2010-2015) (Year wise)
    1. Archana Pradhan 2014
    2. Rabindra Kumar Behera -2013
    3. Tanushree Pradhan -2011
    4. Geetanjali Behera -2011
    5. Kusum Kumari Behera -2010
    6. Chiranjibi Rao 2010
30. Seminars/Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any.
1. XXV Annual Conference of Odisha Political Science Association on 11-12 December, 2010.  
Participants-120
  2. UGC-sponsored National Seminar was organized by this Department during 19th and 20th January 2013. The theme of the Seminar was “Indo-US Relations in the 21st Century”.  
Participants-150
31. Code of ethics for research followed by the departments: As per the norms of Ethics Committee of the University.

## 32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage		
		Male	Female	Male	Female	
2010	M.A.	131	17	15	100	100
	M. Phil.	25	19	19	100	100
	Ph.D.	-	-	-	100	100
2011	M.A.	116	13	19	100	100
	M. Phil.	26	04	05	100	100
	Ph.D.	-	-	-	100	100
2012	M.A.	158	13	19	100	100
	M. Phil.	16	05	04	100	100
	Ph.D.				100	100
2013	M.A.	141	15	17	100	100
	M. Phil.	22	05	04	100	100
	Ph.D.					
2014	M.A.	177	11	18	100	100
	M. Phil.	29	04	07	100	100
	Ph.D.		03	05	100	100
2015	M.A.	162	39	123	100	100
	M. Phil.	40	15	25	--	--
	Ph.D.	03	01	02	100	100

## 33. Diversity of student

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students From universities outside the State	% of students from other countries
M.A	80%	20%	Nil	Nil
M. Phil	80%	20%	Nil	Nil
Ph. D.	75%	25%	Nil	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. Nil

## 35. Student progression

Student progression	Percentage against enrolled
UG to PG	N.A
PG to M. Phil.	25
PG to Ph.D.	20
Ph.D. to Post-Doctoral	02
Employed	
<ul style="list-style-type: none"> <li>Campus selection</li> <li>Other than campus recruitment</li> </ul>	1 Nil

## 36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	25
From other universities within the State	50
From universities from other States	25
From universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Ph.D=01 (Dr. Roshni Kujur, Lecturer, Dept. of Pol. Science)  
Title of the Thesis: - “Legislative Participation of Scheduled Tribe M.L.As in Orissa: 1999-2009”.

## 38. Present details of departmental infrastructural facilities with regard to

Library-Book –Most of the books have been transferred to Central Library, around 1364 books have been retained in the departmental library.

- Internet facilities for staff and students- Yes
- Total number of class rooms -04
- Class rooms with ICT facility- Yes
- Students’ laboratories - NA
- Research laboratories –NA

## 39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university= Ph.D-24
- Prof. J.N. Mahanty: -  
i) Avaya Parichha Patanaik,  
ii) Dharitri Maharana  
iii) Sagarika Pattnaik
- Prof. J.K. Mishra  
i) Srujana Sahu  
ii) Tanushree Pradhan  
iii) Gitanjali Behera  
iv) Mamata Panda  
v) Sanjay Ray  
vi) Rabindra Panda  
(D. Litt.) i) Dr. Dasarathi Bhuiyan
- Prof. A.K. Paricha:-  
i) Sameer Achrya  
ii) Puspanjali Mishra
- Prof. B.C. Choudhury:  
i) Laxmidhar Swain  
ii) Kusum Behera
- Dr. Dasarathi Bhuiyan:  
i) Ch. Chiranjibi Rao  
ii) Prasant Kandpan  
iii) Sanghamitra Das  
iv) Sandhayarani Padhy

- v) Ajit Kumar Basantray
- vi) Chitaranjan Patra
- vii) Prafulla Chandra Nahak

- b) From other institutions/universities=Ph.D-04
1. Prof. J.N. Mahanty: -
    - i) Aditya Kumar Mishra,
    - ii) Mihir Sethy
  2. Prof. J.K. Mishra: -
    - i) Smt. Monalisha Mohanty
    - ii) Albertina Tirkey
40. Number of post graduate students getting financial assistance from the university: Nil
41. Was any need assessment exercise undertaken before the development of new programme(s)?  
If so, highlight the methodology: - All the faculty members actively participated in the assessment exercise for the P.G. Semester Programme.
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
Feedbacks are obtained from faculty who handle courses; inputs are received and incorporated at the time of revision of the syllabi. The Members of the Board of Studies give relevant suggestions for the modernization of the course structure from time to time.
  - b. Students and staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Reflected in curriculum design  
From time to time feedbacks are also obtained from students on syllabi and contents of the course. All suggestions are incorporated in the existing syllabi.
  - c. Alumni and employers on the programmes offered and how does the department utilize the feedback? Career counseling and curriculum designing
43. List the distinguished alumni of the department (maximum 10) :
1. Mr Pradeep Kumar Amat, Former Speaker of Odisha Legislative Assembly and present Finance Minister.
  2. Mr. Surya Narayan Patra, former Minister and present M.L.A
  3. Mr. Ladu Kishore Swain, Member of Parliament, Aska
  4. Mr. Chandra Sekhar Majhi, MLA. Kotpad
  5. Prof. Jayant Kumar Mahapatra, former Vice-Chancellor, B.U.
  6. Mr. Ajaya Kumar Mohanty, Indian Railways and Personal Services (IRPS), Divisional Personal Officer South Eastern Railway, Bilaspur
  7. Prof. V. Iswarananda, Department of Journalism, Symbosisi Pune, Pune.
  8. J.K. Patnaik, Profesor, Pol.Sc. Mizoram University. Aizwal
  9. Prof Bansidhar Pradhan, Chairman, Centre for West Asian Studies, SIS, JNU, New Delhi.
  10. Dr. Geetnjay Sahu, Associate Professor, TISS, Mumbai



44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts.

<b>2015</b>	<ul style="list-style-type: none"> <li>• Prof. G. Ram Reddy, Osmania University, Hyderabad spoke on India's Foreign policy on 28.01.2015</li> <li>• Dr. Geetanjoy Sahu, Associate Professor, Centre for Science Technology and Society, School of Habitat Studies, TISS Mumbai, Spoke on Environmental Governance and the role of Judiciary on 29.01.2015</li> <li>• Prof. Snjeev Kumar Sharma, CCS University, Meerut spoke on Changing dynamics of Indian Politics on Dt 20.02.2015</li> <li>• Prof. Chintamani Mahapatra, Centre for Canada, Latin America and American Studies, SIS, JNU, New Delhi spoke on India, US anf the Emerging Asian Order on 14.03.2015</li> <li>• Pro. V Rabindra Shastri, Osmania University, Hyderabad spoke on Globalisation and Need for Equity on 18.04.2015</li> <li>• Prof. M.A. Liza Zufle University of Tubingen, Germany spoke Indo-German Relations: A cultural Perspective.</li> <li>• Prof Y. Reddy, Dept. of Political Science, Sri Venkateswara University, Tirupati, "South East Asian Region: Geographical Ambivalence and Geo-Political Conflicts on 21.08.2015</li> </ul>
<b>2014</b>	<ul style="list-style-type: none"> <li>• Prof. A.P.S Chauhan, Dept of Political Science and Public Administration, Jiwaji University Gwalior spoke on "Emerging Trends in Indian Politics" Dt: 23.06.2014</li> <li>• Prof. G. Gopal Reddy and Prof. G. Ram Reddy, Osmania University spoke on "Telengana Movements: Some Reflections" Dt: 21.10.2014</li> <li>• Prof. A.G. Naidu Krishna Dev Raya University, Anantapur, A.P spoke on "Indian Diaspora in America"</li> <li>• Prof. A.K.Paricha, Retd. Professor of Political Science, Berhampur University. <ol style="list-style-type: none"> <li>1. 22.08.2014 India and U.N.</li> <li>2. 13.09.2014 Approaches to the Study of Comparative Politics.</li> <li>3. 28.10.2014 Nation Building: Some Reflections.</li> <li>4. 13.11.2014 India's Nuclear Policy.</li> </ol> </li> <li>• Prof. B.C. Choudhury, Retd. Professor of Political Science, Berhampur University. <ol style="list-style-type: none"> <li>1. 26.10.2014 Cooperative Federalism.</li> <li>2. 14.11.2014 Electoral Reforms in India.</li> <li>3. 22.11.2014 Good Governance: Issues and Challenges.</li> </ol> </li> </ul>
<b>2013</b>	<ul style="list-style-type: none"> <li>• Dr. K.C. Bal, Personal Officer, western Central Railway, Jabalpur, Spoke on 'Canadian Imagination'</li> <li>• Fr. Charles Borges CJ, Associate Professor History, Loyala University, Maryland, USA, spoke on 'Indo-Canadian Relations.'</li> <li>• Prof. G. Ram. Reddy, Professor of Political Science, Koti Womens College, Koti, Osmania University, Hyderabad, " Telagana Movement: Some Reflections" on 20.12.2013.</li> </ul>
<b>2012</b>	<ul style="list-style-type: none"> <li>• Mr. A. Badatya, Research Fellow, Pondicherry Central University, "India-China Relations" on 19.11.2012.</li> <li>• Prof. B.V. Chalpati spoke on "women empowerment".</li> </ul>

<b>2011</b>	<ul style="list-style-type: none"> <li>• Mr. P.K. Jena , Branch Manager, SBI “Banking as a Career” on 29.07.2011</li> <li>• Mr. J.P. Mishra, Senior Division Commercial Manager Railways, Khurda ‘Civil Services as Career” on 9/09/2011</li> </ul>
<b>2010</b>	<ul style="list-style-type: none"> <li>• Prof. G. Ram Reddy, Osmania University spoke on “Good Governance in India”. 10.12. 2010</li> </ul>

45. List the teaching methods adopted by the faculty for different programmes. : audio visual, power point presentation,
- Participatory learning techniques
  - Weekly student seminars
  - Assignments to the students
  - Interactive class room discussions
  - Use of OHP and Power Points
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- Mock test,
  - group discussion,
  - Seminar presentation, etc.
47. Highlight the participation of students and faculty in extension activities.  
Under proctoral scheme every teacher is allotted 8 to 10 students for their academic and personal counseling. Students are given training in the core teaching skills, thinking skills, employability skill & skills how to make class room interacting effective by the faculty of the department.
- Participation in Swachha Bharat Abhiyan
  - NSS activities (blood donation camp, plantation),
  - Cyclone related relief, restoration and rehabilitation programme undertaken by the University.
48. Give details of “beyond syllabus scholarly activities” of the department.  
Participation in sport, cultural activities and literary competitions
- Organising quiz, debate competition.
  - Guest lecturers
  - Seminars
  - Encourage and train the students of various competitions organised by University and other organizations.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.  
Students and scholars undertake relevant and emerging topics for their research in different areas of state politics and international politics. They collect primary data, analyze it, interpret it and present in the form of M.Phil. / Ph.D Projects. Besides this the faculty members relentlessly engage themselves in contributing their scholarly publications in National and International Journals. The findings/interpretation provides new insights to the existing literature of the studies. Thus making it more focused towards the societal needs as well as state’s priorities in the altered global environment.

51. Detail five major Strength, Weakness, Opportunities and Challenges (SWOC) of the department.

**Strength**

- Research contribution of the faculty members adds to the strength of the department which can be comparable to national and international standard.
- Qualified and committed faculties
- High Demand ratio
- Continuing engagement with teaching and research
- Alumuni are well placed in different walks of life.

**Weakness**

- Inadequate faculty strength
- Inadequate infrastructure facility
- Limited scope for Academic Industry interface
- No smart classrooms, no computer lab.
- Research due to the retirement of professors. One professor retired in 2013, two would be retiring in 2014 one in 2015 and one in 2016. There would be problem in teaching and research

**Opportunities**

- Introduction of short term courses to provide skill based education and enhance employability
- Promoting inter disciplinary and multi disciplinary research
- To have collaborative research COATS (Council of Analytical and Tribal Studies)
- To provide short term courses on women empowerment, human rights, disaster management, sustainable development and environmental issues.
- Extension work on Rural Development and sanitation

**Challenges**

- The discipline is in dire need of redefining itself in term of its contents and quality
- Enhancing the employment opportunities
- Developing the communication skill among the students
- Requirement of technical assistant and research associates
- Use of ICT in teaching-Learning process.

52. Future plans of the Department:

- Collaborative research to be taken up with think tanks of other reputed institutions/ universities of national and international repute
- SAP-DRS- I status from the UGC
- Organising myriad capacity building programme such as, PR, SSG, Women Atrocities
- Collaborating with industry for research and training.
- An Attempt would be made to bring occasional papers.
- New Centres for study of social inclusion and exclusion and the Centre for Conflict Resolution.

**RESEARCH PUBLICATIONS (2010-2015)  
DEPARTMENT OF POLITICAL SCIENCE**

**Professor Jayant Kumar Mahapatra**

1. Mahapatra, J.K. (2014). US Role in South Asia: Challenges and Opportunities in Post 9/11 United States-India Relations Towards an Active Engament. In A. Tripathy. New Delhi: Reference Press.
2. Mahapatra, J.K. (2013). Orissa Tribal Empowerment and Livelihood Programmes, In by Ruchi Ramesh and Dr. Sudhir Singh. Emanicipation of Tribes and Human Rights(Ed).
3. Mahapatra, J.K. (2012). US Nuclear Policy towards South Asia and its Implications for China, in Nuclear Proliferation in South Asia and United States: Issues and Dynamics,. New Delhi: Reference Press.
4. Mahapatra, J.K. (2011). Global War against terror: Implications for South Asia. Odisha Political Science Journal
5. Mahapatra, J.K. (2010). Indo-US Relations and the UN. Odisha Political Science Journal. OPSA, Bhubaneswar.

**Professor S.L. Panda**

1. Panda, S.L. (2010) Internal Security, Extremism and Governance: A Case Study of Local Government, Quarterly, July-September 2010.
2. Panda, S.L. (2010) Internal Secirity System Governance: A Reform Perspective” Orissa Political Science Journal, December 2010.
3. Panda, S.L. (2010) Education and Empowerment of Women”, Journal of Public Administration, September 2010.

**Professor Bishnu Charan Choudhury**

1. Choudhury, B.C.(2014). Empowerment of Tribals in Orissa: Issues and Dimensions” in V.R. Sastry and G. Ram Reddy (Eds.), *Empowerment: State Governance and Beyond*. Research India Press, New Delhi. ISBN: 987-81-89131-50-0, 2014.
2. Choudhury, B.C.(2012). Parliamentary Federal Model in India: Issues and Challenges. IIPA,(1) Orissa Regional Branch, Bhubaneswar.
3. Choudhury, B.C.(2011). Tribal Women Leaders and Electoral Politics in Odisha”. Research Journal of Berhampur University. ISSN 2250-1681.
4. Choudhury, B.C.(2011). Role and Status of Indian Women in an era of Globalisation”. Understanding Politics and Society.(1). ISSN 2231-1114.
5. Choudhury, B.C.(2010). “Indian Democracy: Need for Electoral Reforms”. Orissa Political Science Journal. XVII (1). OPSA, Bhubaneswar.
6. Choudhury, B.C.(2010). Office of Profit: Constitutional Provisions and ramifications, Prajnabhuti, Journal of Social Sciences and Humanites. XVII. Berhampur University.
7. Choudhury, B.C.(2010). Need for Good Governance: Issues and Dimensions. IIPA, Orissa Regional Branch, Bhubaneswar.
8. Choudhury, B.C.(2010). “Secularism in Cultural Frame: The Indian Experience”,. *Meher Journal of Politics*. (1).

**Professor A.K. Paricha**

1. Paricha, A.K. (2012). "US Non-proliferation Policy Towards South Asia: Some Reflections" in (ed.) Nuclear proliferation in South Asia and United States: Some Reflections, 2012.
2. Paricha, A.K. (2011) "Regional Co-operation in South Asia: Challenges Ahead". World Affairs. 15(2)
3. Paricha, A.K. (2011) "Human Rights of Women in India", Understanding Politics and Society. (1).
4. Paricha, A.K. (2011) "Global war against Terror: Implications for South Asia", Odisha Political Science Journal. XVIII (1).
5. Paricha, A.K. (2010). "Countering Terrorism in the 21<sup>st</sup> Century: An International Issue", Journal of International Relations. 8(1). Dhaka, Bangladesh.

**Dr. Jinendra Nath Mahanty**

1. Mahanty, J.N. & S.K. Mohanty (2011). Military-Intelligence-Militant Nexus in Pakistan: Fighting War of Asymmetry against India." India Quarterly. Journal of Defence Studies, 5(4). ISSN No.0976-1004.
2. Mohanty, S.K. & Mahanty, J.N. (2010). "The Moderate Taliban" Theory: The Indian Dilemma. Indian Foreign Affairs Journal 5(1). ISSN No. 0973-3248.
3. Mohanty, S.K. & Mahanty, J.N. (2010). Post 9/11 US Counter Terror Strategy: Locating the Limitations, Journal of Contemporary Studies. 10(1).
4. Mohanty, S.K. & Mahanty, J.N. (2010). "Military - Madrasa - Mullah Complex: Promoting Jihadist Islam in Pakistan" India Quarterly. 66 (2). ISSN 0974-9284.

**Professor Jugal Kishore Mishra**

1. Mishra, J.K.(2014). *Odia Language: Theoretical and Practical Studies(Eds)* Sasmata:Bhubaneswar ISBN 978-81-922204-0-6
2. Mishra, J.K.(2014). "Cross Currents of Higher Education in China: A Bird's Eye View" Odisha Political Science Association (XX(1)XX(1). ISSN0377-1997
3. Mishra, J.K.(2013). On Good Urban Governance. World Focus, December. ISSN -2230-8458.
4. Mishra, J.K. (2013). "Women Development: A Dimension of Civil Society Activism in Odisha". Journal of Indian Institute of Public Administration. (XW).
5. Mishra, J.K.(2012). *Paralysed Tongue: An Anthology of Dalit Studies* (Eds),. (2<sup>nd</sup> Edition, Bhubaneswar: Page maker Publication) ISBN.978-81-920052-7-0
6. Mishra, J.K. (2012). "Women in the Outer Fringe: The Radical Feminist Perspective." In N.Rath et al Social Exclusion & Gender (Eds) New Delhi, ISBN 978-93-5074-001-9.
7. Mishra, J.K. (2012). "Indo-Pak Relations: A Relook". World Focus. Delhi. ISSN2230-8458.
8. Mishra, J.K. (2012). "Bhagat Singh: The Manque' – Radicalist". Odisha review August. ISSN 0970-8669.
9. Mishra, J.K. (2011). ITIHAS 'O' RAJANITI BIGYANA. Board of Secondary Education, Odisha.
10. Mishra, J.K. (2011). "Theoretical Discourses on Russian and European Union". Journal World Focus. ISSN 2230-8458

11. Mishra, J.K. (2011). "Feminism: A Revisionist study of Leading Perspectives". Journal Understanding Politics and Society. (1). ISSN 2280-168
12. Mishra, J.K. (2010). "Understanding Socialist Feminism. Journal Understanding Politics and Society" ISSN 2231-111
13. Mishra, J.K. (2010). State Politics in India: A Study of Orissa 1971-1980. Bhubaneswar: Page maker. ISBN 978-81-92052-0-1.
14. Mishra, J.K. (2010). "Foreign Aid: Status & Gains of India as a Donor". Journal World Focus. (371-372). New Delhi. ISSN 2230-8458.
15. Mishra, J.K. (2010). Marxist Feminism: A Critique". Orissa Political Science Journal. (XVII). ISSN 0377-1997.
16. Mishra, J.K. (2010). "Liberal Feminism: A Revisionist Study". Meher Journal of Politics. (1). ISSN 0976-8718.

### **Dr. Roshni Kujur**

1. Kujur, Roshni. (2014). "Transition from Acceptance to Elimination- A Tribal Picture of Orissa". In Ruchi Ramesh and Sudhir Singh, Emancipation of Tribes and Human Rights, (Ed). New Delhi: Pentagon Press. 162-186. ISBN 978-81-8274-713-5
2. Kujur, Roshni. (2014). "Terrorism in South Asia: Role of United States." Orissa Political Science Journal .XX(1), 64-84. ISSN: 0377-1997
3. Kujur, Roshni. (2014). "Nepal, A factor in India-China Relations: An Analysis". Politico.2 (1), 11-19.
4. Kujur, Roshni. (2014). "India's Relations with Neighbour Nepal: China in Race Influence? World Focus. XXXV (9), 123-129, ISSN 2230-8458.
5. Kujur, Roshni. (2014). Disaster Management in India – A Case Study of Recent Cyclone Phailin in Odisha. World Focus. XXXV (7), 54-59.
6. Kujur, Roshni. (2013). India an emerging power in Asia: Response of US and other Nations. Politico.1(1), 13-32. ISSN 2322-0686
7. Kujur, Roshni. (2013). US India Relations from Cold War to Post 9/11: A Study. In Amulya Kumar Tripathy, Post 9/11 United States-India Relations. New Delhi: Reference Press. 3-24. ISBN No. 978-81-8405-080-6
8. Kujur, Roshni. (2012). Role of UN in Indo-US Relations. Journal of Asian Politics. II(2), 80 ISSN 2322-0686
9. Kujur, Roshni. (2011). Poverty, Disparities and Under Development Questions to Tribal Women Migration- A Study of Orissa. Journal of Berhampur University. (1), 230-241. ISSN No. 2250-1681
10. Kujur, Roshni. (2011). Challenges to Good Governance in India. Odisha Political Science Journal. XVIII (1), 290-296, ISSN No. 0377-1997.

### **Dr. Dasarathi Bhuiyan**

1. Bhuyan, D. (2015). Development Induced Displacement of Tribals in Odisha: Issues and Concerns. In Ramdas Rupavath, Democracy, Development and Tribes in India, New Delhi: Gyan Publication. ISBN: 8121212480
2. Bhuyan, D. (2015). China Challenges: US-India's Strategic Vision. Social Vision, 2(1), Vishakapatnam, ISSN: 2349-0519, pp.59-70



3. Bhuyan, D. (2015). Politics of Scheduled Castes in Odissa. Desh Vikas, Vishakapatnam: ( 2.(1), 59-68
4. Bhuyan, D. (2015). Politics of Defection in Odessa. EPRA International Journal of Environmental Economics, Commerce and Educational Management. (2), 115-123. Impact Factor: 0.815, ISSN: 2348-814X
5. Bhuyan, D. (2015). China's growing pace in Nepal a threat to India: Nepal's Policy Options between Principle and Pragmatism. International Journal of Academic Research. , 2(1), 7-18. ISSN:2348-7666
6. Bhuyan, D. (2015). A Critical Analysis Of Electoral Dynamics Of 2014 Election In Odisha. International Research Journal of Human Resources and Social Sciences. IF: 2.561 , ISBN: 2394-4218
7. Bhuyan, D. (2015). Ecological Citizenship: Solution to Environment Problems. In Bansaikupar L. Mawlong and Marco Babit Mitri, Environment-Cultural Interaction and the Tribes of North-East India(ed.) Newcastle upon Tyne, NE6 2PA, UK : Cambridge Scholars Publishing Lady Stephenson Library,. ISBN (10): 1-4438-7836-7, ISBN (13): 978-1-4438-7836-4, pp.208-220.
8. Bhuyan, D. (2014). Panorama of State Politics in India: Aspects of non-Uniformity. *Annals of Multi-Disciplinary Research* , IV (4).
9. Bhuyan, D. (2014). Government and Politics in Odissa. New Delhi: Abhijeet Publication. ISBN: 978-93-5074-114-6
10. Bhuyan, D. (2014). Contribution of Ramchandra Mardaraj for the Formation of New Odisha, Odisha Review. LXIX (9). ISSN-0970-8669
11. Bhuyan, D. (2014). "Environmental Politics In North-East India: Needs A Re-Direction of Science And Technology" In Guptajit Pathak, North-East India: The Paradigm of Historical, Socio-Economic and Cultural Interaction(13-18).New Delhi: Jnanada Prakashan, ISBN: 978-81-7139-617-7
12. Bhuyan, D. (2014). "Secularism in the Context of India's Multi-Culturalism", Shodh Prerak, IV (3), 101-106. IISN 2231-413X.
13. Bhuyan, D. (2014). Women Politics in Odisha: Trends and Challenges, Odisha Review, LXXI( 4), 47-55.ISSN-0970-8669)
14. Bhuyan, D. (2014). Political Culture, Socialization and Modernization of Odisha, SOUTH Asian Journal of Socio-Political Studies. XV(1) ISSN 0972-4613
15. Bhuyan, D. (2013). Ramchandra Mardaraj: Mind and Spirit of the Odia Nationalism and Pioneers' of Freedom Movement, The Journal, (I). ISBN-978-81-920735-2-1
16. Bhuyan, D. (2013). Role of Panchayati Raj Institutions in Grass root Planning: Some Issues and Concerns, Odisha Review, LXIX(7 & 8) ISSN-0970-8669
17. Bhuyan, D. (2013). Contribution of Khallikote for Political, Educational, and Cultural resurge of Odessa. Odisha Review. LXIX (9). ISSN-0970-8669
18. Dimensions of Social Exclusion and Inclusion of Scheduled, Scheduled Tribes and Minority Communities in India. Sodha Pravaha. III (3). ISSN 2231-4113).
19. Bhuyan, D. (2012). NPT and US Policy towards South Asia. In A. K. Tripathy and J.K. Mahapatra, *Nuclear Prolifiration in South Asia and United States*. New Delhi: Reference Press.

20. Bhuyan, D. (2012). International Terrorism: Challenges, In Dayanidhi Parida, State, Society and Terrorism. Delhi: Manglam Publications. ISBN No.: 9-78-93-81142-41-5
21. Bhuyan, D. (2012). Environmental Protection: Requires A Total Re-Oriented of Science And Technology, In S Sati, An Introduction To Environment. Jaipur: Rawat Publications. ISBN-978-81-316-0457-7212
22. Bhuyan, D. (2012). Issues of Exclusion and Inclusion in Decentralised Local Institutions in India. *Odisha Review*. LXVIII (7 & 8). ISSN-0970-8669.
23. Bhuyan, D. (2012). Indo-Bangladesh relations: Some Issues and Concerns. *Journal of Asian politics*. ( 1). ISSN 2230-9063
24. Bhuyan, D. (2011). Indo-Bangla Border and security concern of India. *Journal of Asian Politics*.1 (1). ISSN No 2230-9063
25. Bhuyan, D. (2011). Odisha Women in Politics. *Understanding Politics and Society* (1). ISSN 2231-1114.
26. Bhuyan, D. (2011). Biju Patnaik: the architect and Builder of Modern Odessa. *Orissa Review*. LXVII (7-8), 18-26. ISSN 0970-8669
27. Bhuyan, D. (2011). Corruption in India, Governance Issues & Corruption. In Bhagwan Dahiya, Kavita Chakravarty, Nandita Rathee & Seema V. Lamba(ed) , *Governance Issues & Corruption*. ISBN No.: 9-81-903952-2-X
28. Bhuyan, D. (2011). Rise of Communalism in India and Gandhian strategies for combating Communalism. *Man & Society*. 02(2). ISSN-2231-6698
29. Bhuyan, D. (2011). Coalition Politics: an Indian Experience. *Research Journal of Berhampur University*. 1(1). ISSN 2280-168.
30. Bhuyan, D. (2010). *Politics of Orissa: From 1936 to Contemporary*. New Delhi: Mangalam Publications. ISSN: 978-93-80013-51-0
31. Bhuyan, D. and Parida, D. (2010). *Role of Regional Parties in Orissa*. New Delhi: Abhijeet Publication. ISBN: 978-93-80013-55-8.
32. Bhuyan, D and Muni, S.(2010) *Dynamics of Coalitional Politics*. New Delhi: Abhijeet Publication: ISBN: 978-93-800031-56-9.
33. Bhuyan, D and Pradhan. P.C. (2010). *New Panchayati Raj: A Study of Socio-Political and Administrative Dynamics*. New Delhi: Abhijeet Publication. ISBN: 978-93-80031-60-6
34. Bhuyan, D. (2010). *Peoples' Mandate*, New Delhi: Abhijeet Publication. ISBN: 978-93-80031-68-2
35. Bhuyan, D. Singh, A.(Ed.)(2010). *Naxalism: Issues and Concerns*. New Delhi: Discovery Publications.
36. Bhuyan, D. (2010). Constitutional Provisions for political Empowerment of women, In Asutosh Pandey and Gautam Vir, *Empowerment of Women in 21st Century*(Ed). New Delhi: Abhijeet Publications. ISBN 978-93-80031-90-3
37. Bhuyan, D. (2010). Relevance of Gandhi in 21st Century. In Asutosh Pandey, *Relevance of Gandhi in 21st Century* (Ed.) New Delhi: Abhijeet Publications. ISBN 978-93-80031-89-7
38. Bhuyan, D. (2010). Issues of Livelihood and Displacement in Tribal Regions of Orissa. In R.C.Pandit, *Development-Vs-displacement of Tribal People in India*(Ed). New Delhi: Abheejit Publications. ISBN 978-93-80031-08-8
39. Bhuyan, D. (2010). Election Politics and Voting Behaviour of Odisha: A Study of Fourteenth Assembly Election (2009). *Indian Journal of Political Science*. Meerut



40. Bhuyan, D. (2010). Institutionalizing Participatory Democracy at the Local Level: Issues and challenges. *Orissa Review.* , Department of Information and Public Relations, Govt. of Orissa, Bhubaneswar, March, 2010.
41. Bhuyan, D. (2010). Emergence of Odisha as a separate State and Contributions of Khallikote Raj Family, Mardaraj. *Orissa Review*, Department of Information and Public relations, Govt of Orissa, April, 2010. (ISSN 0970-8669)
42. Bhuyan, D. (2010). Participation of Women of Ganjam District in the Freedom Movement of India. *Orissa Review.* LXVII (1). ISSN 0970-8669.
43. Bhuyan, D. (2010). Reinventing Gandhi in the 21st Century, *Orissa Political Science Journal.* XVII (1).ISSN-0377-1997.
44. Bhuyan, D. (2010). The failure of states and international bodies to combat global warming: disintegration of a vital global issue. *World Affairs.* 14 (1). ISSN 0971-8052

Women's Studies Research Centre

### BRIEF PROFILE OF WOMEN'S STUDIES RESEARCH CENTRE

1	Name of the Department	<b>: WOMEN'S STUDIES RESEARCH CENTRE</b>
2	Year of the Establishment	: 1988
3	Courses/Programmes and Subject combinations offered	: M.Phil, Ph.D, D.Litt
4	Number of teaching posts Sanctioned Filled	: 1(one)
5	Number of Technical Staff present	: 1(one)
6	Number of Students ( Men / Women) Give Details Course Wise	➤ M.Phil - 6:2 ➤ Ph.D-5:1 ➤ D.Litt-0:1
7	Ratio of Teacher to Students	: 1:8
8	Ratio of Teachers to Research Scholars	: 1:6
9	Number of Teachers Scholars who have obtained their master's degree from other institutions	: 1
10	Number of Teachers in Academic Bodies of other Autonomous Colleges and Universities	: 1
11	Latest revision of the curriculum ( year)	: 2014
12	Number of student passed in NET/ SLET etc. ( last 5 years)	: Nil
13	Success Rate of Students	: 100%
14	Demand Ratio ( No. of application)	: 1:3
15	Awards and recognition received by faculty	: Nil
16	Faculty who have attended National/ International Seminars (numbers only)	: 1
17	Number of National Seminars Organize ( Last 5 years)	: 1
18	Number of Teachers engaged in consultancy and the revenue generated	: Nil
19	Number of Ongoing projects and their total outlay	: Nil
20	Research project completed during last five years & their Outlay	: Nil
21	Number of inventions and patents	: Nil
22	Number of Ph. D theses guided during the last five years	: 6(only 1 submitted)
23	Publication by faculty ( last five years)	: 4
24	Average citation index and impact factor of publication	:
25	Number of Books in the Department library, if any	: 700
26	Number of Journals / Periodicals in the departmental library	: old journals- around 42 issues
27	Number of Computers in the department	: 4
28	Annual Budget ( Excluding Salary) In Rupees	:
	➤ Equipment	:
	➤ Books and Journals	:
	➤ Other contingency	: Rs.5,000/-
	➤ Lab. Contingency	:

### Evaluative Report of the Women's Studies Research Centre

1. Name of the Department : **Women's Studies Research Centre.**
2. Year of establishment : 1988
3. Is the Department part of a School/Faculty of the university? Yes, Humanities and Social Sciences
4. Names of programmes offered: M.Phil, Ph.D, D.Litt  
Research Programme : M.Phil, Ph.D, D.Litt
5. Interdisciplinary programmes and departments involved: Women's Studies itself- an Interdisciplinary programme
6. Courses in collaboration with other universities, industries, foreign institutions, etc. NIL
7. Details of programmes discontinued, if any, with reasons: NIL
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: SEMESTER
9. Participation of the department in the courses offered by other departments: Yes- Chapters & Papers of Women's Studies included in various social science and Humanities
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor			
Associate Professors	1	1	1
Assistant Professors	Nil	Nil	Nil
Research Associate	Nil	Nil	Nil

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
Dr. Urmimala Das	M.A., Ph.D.	Reader	Political Economy, State and Gender, Violence Against Women, Women's Rights and Women's movement.	24 year	6-Ph.D 17-M.Phil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: NIL
13. Percentage of classes taken by temporary faculty – programme-wise information: Guest Faculty for MPhil (20%)
14. Programme-wise Student Teacher Ratio : M.Phil: 1:8  
PhD Course Work-1:8

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

Post	Sanctioned	Filled
Research Officer	1	1
Junior Assistant	1	1
Junior Typist	1	-

16. Research thrust areas as recognized by major funding agencies: NIL
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: NIL
18. Inter-institutional collaborative projects and associated grants received: Yes  
 a) National collaboration                      b) International collaboration  
 c) State level collaboration- yes WSRC collaborated with an NGO named VIJAYA, Bhubaneswar (AcademicCollaboration), VIJAYA received Fund from NCW, New Delhi Project on Status of Children of Prison Women in Odisha
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: NIL
20. Research facility / centre with : Yes, WSRC is a Research Centre with -  
 a. State recognition (Govt. of Odisha) :√  
 b. National recognition (UGC) :√  
 c. International recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies: NIL
22. Publications:
- Number of papers published in peer reviewed journals (national / international): 04
  - Monographs: Short Report: 2
  - Chapters in Books: NIL
  - Edited Books: NIL
  - Books with ISBN with details of publishers: NIL
  - Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - Citation Index – range / average:
  - SNIP:
  - SJR:
  - Impact Factor – range / average:
  - h-index:
23. Details of patents and income generated: NIL

24. Areas of consultancy and income generated : NIL
25. Faculty selected nationally / internationally to visit other laboratories / institutions industries in India and abroad : NIL
26. Faculty serving in
- a) National committees b) International committees c) Editorial Boards d) any other (please specify)
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Name	Designation	Training Programme attended	Date	Place
Dr. Urmimala Das	Reader	“Domestic And Gender Based Violence”, NIPCCED, Govt. of India	13.9.10 to 18.9.10	New Delhi
Dr. Urmimala Das	Reader	“Growth and Development of Women’sStudies”, UGC National Workshop for WS Directors’, University of Hyderabad ,	27.8.11	Hyderabad
Dr. Urmimala Das	Reader	‘Gender and Social Development’ Resource Person in Refreshercourse, Sociology, Utkal University.	12.12.11 & 13.12.11	Bhubaneswar
Dr. Urmimala Das	Reader	“Research Programme and Curriculum Development for Women’s Studies.” UGC sponsored Programme for Eastern and North Eastern Women’s Studies Centres organized by Women’s Studies Research Centre, Calcutta University	9.3.12 to 11.3.12	Calcutta

28. Student projects

- a. Percentage of students who have done in-house projects including inter-departmental projects – Nearly 80% students have developed their MPhil thesis on the basis of their own field work projects .
- b. Percentage of students doing projects in collaboration with other universities /industry / institute -NIL

29. Awards / recognitions received at the national and international level by

- a. Faculty
- b. Doctoral / post doctoral fellows
- c. Students

30. Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any.

Sl. No.	Date	Title of the Seminar/Conference/Workshop	National / International	Source of funding
1.	16.09.2011	“Dignity of Women and Indian Mythology”	Workshop(State level)	UGC
2.	17.09.2011	“Radical Feminism in the Contextual Terrain of Odisha”	Workshop(State level)	UGC
3.	18.11.2011	“Land Rights and Women”	Workshop(State level)	UGC
4.	17-18 March 2012	“Women in Local Governance”, UGC sponsored National Seminar organized by WSRC, B.U.	National	UGC
5.	04.02.2013	“Stop Violence Against Women” OBR World Wide Campaign with NAWO, Odisha	International	
6.	08.03.2013	“Celebration of International Women’s Day”, by WSRC, B.U.	Workshop(State level)	UGC
7.	22.11.2013	Consultation with Students for inputs in to the “Formulation of the Odisha State Policy for Girl Child and Women”, by WSRC, B.U.	Workshop(State level)	Govt.ofOdisha
8.	28.01.14	Gender Sensitization Training for Berhampur University Students sponsored by Government ofOdisha, organized by Women’s Studies Research Centre	Gender Sensitization Training(State level)	Govt.ofOdisha
9.	29.01. 14	Gender Sensitization Training for Berhampur University Students, sponsored by Government ofOdisha, organized by Women’s Studies Research Centre	Gender Sensitization Training(State level)	Govt.ofOdisha
10.	30.1.14	Gender Sensitization Training for Berhampur University Students, sponsored by Government ofOdisha, organized by Women’s Studies Research Centre	Gender Sensitization Training(State level)	Govt.ofOdisha
11.	31.1.14	Gender Sensitization Training for Berhampur University Students, sponsored by Government ofOdisha, organized by Women’s Studies Research Centre	Gender Sensitization Training(State level)	Govt.ofOdisha
12.	08.03.14	Celebrating International Women’s Day ,organized byWomen’s Studies Research Centre	Workshop(State level)	UGC

31. Code of ethics for research followed by the departments : Is being developed.

32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Phil WSRC 2010	17	4	2	100%	100%
M.Phil WSRC 2011	10	2	2	100%	100%
M.Phil WSRC 2012	15	2	6	100%	83%
M.Phil WSRC 2013	17	7	1	90%	100%
M.Phil WSRC 2014	20	3	3	33%	33%
M.Phil WSRC 2015	19	6	2	100%	100%

## 33. Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students From Universities outside the State	% of students From Other countries
M.Phil Women's Studies	87.5%	12.5%	-	NIL
Ph.D	75%	12.5%	12.5%	NIL
D.Litt	-	100%	-	NIL

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. : NIL

## 35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	NA
PG to Ph.D.	50% (M.Phil to Ph.D)
Ph.D. to Post-Doctoral	
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurs	

## 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	
from other universities within the State	100%
from universities from other States	
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : NIL

## 38. Present details of departmental infrastructural facilities with regard to

- Library : 700 Books and Reports
- Internet facilities for staff and students: nil
- Total number of class rooms : One



- Class rooms with ICT facility : Yes
- Students' laboratories : Nil
- Research laboratories : NIL

## 39. List of doctoral, post-doctoral students and Research Associates

a) From the host institution/university: **Berhampur University**

Sl.No.	Name of the Ph.D Scholars	Topic
1.	Ms.Ranjita Behera, <b>RGNF</b>	Development Induced Displacement in Orissa: A study of growing visibility of women.
2.	Mr.Sudhansu Sekhar Tahal <b>RGNF</b>	Gender sensitive Budget initiative and Economic Development of Odisha : A study of selected blocks of Ganjam District.
3.	Mr.Sunil Kumar Pattnaik	Understanding the gender implications of HIV/AIDS and mother to child transmission (MTCT) A case study in Odisha state.
4.	Ms.Manmai Panda	Caste, Gender and Development: A study of Dalit Women in Ganjam District of Odisha.

b) From other institutions/universities : **Doc.Fellow-2(Assam, Utkal)**

Sl.No.	Name of the Ph.D Scholars	Topic
1.	Mrs.Snigdha Rani Behera	Development, state and gender equity 'A study in the context of odisha.( Utkal)
2.	Mr.Pranab kumar sharma	Women in Peace Building – A study with reference to Bodo Women of Kokrajhar and Baksa Districts of Assam. (Assam)
3.	Ms.Junas Sabar	“Marginalisation of Women in Agriculture: A Study of Soura Tribes in Gajapati District.” ( Utkal)

## c) From other institutions/universities: Post Doc. Fellow-1(Allahabad University)

Sl.No.	Name of the D.Litt Scholars
1.	Dr.Urmimala Das

40. Number of post graduate students getting financial assistance from the university .

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. Group discussion and feed back from students, feed back from National Curriculum Development workshops etc.

42. Does the department obtain feedback from

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? : YES
- Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? : YES, on the basis of feedback Curriculum was moderated.
- Alumni and employers on the programmes offered and how does the department utilize the feedback? : NO

43. List the distinguished alumni of the department (maximum 10)
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts. YES
1. Weekly seminar (Thursday)
  2. Group Discussion (GD)
  3. Skill Development and capacity building Programme
  4. Special lectures by Gender experts
  5. Student enrichment by students exposure to national seminars in other universities, NGOs, Women's organizations, prison women and children, displacement victims etc.
45. List the teaching methods adopted by the faculty for different programmes like Lecture method, Audio visual display, Experience sharing, Participatory methods such as Demonstrating Drama, Songs and Drama by students and staff on related topics and Field exposure etc.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
47. Highlight the participation of students and faculty in extension activities.
48. Give details of "beyond syllabus scholarly activities" of the department. : Handholding with NGOs and Activist organizations to establish Gender Equality.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. : NIL
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
51. Detail five major Strength, Weakness, Opportunities and Challenges (SWOC) of the department.

### **Strength**

- WSRC is the premier institute in the state which has received Government concurrence for its dynamic activities.
- UGC has accorded IInd Phase in National grading for WSRC.
- UGC has approved 3 Teaching and 5 Non-Teaching Posts for WSRC, B.U.
- Research and teaching as its important activities.
- Qualified and committed faculties are widely known for their talent in the country.
- Field study is important component of students research programme.

### **Weakness**

- Inadequate faculty
- Non availability of computer lab, internet facilities.
- Inadequate basic infrastructural facilities for teaching and research.
- Lack of financial support for various developmental activities of the centre.

### **Opportunities**

- Associations of WSRC with Civil society, NGOs, academic and activist organisations are its potential source for progression of the ideology of Women's Studies.
- Having qualified, efficient and determined faculty who work as Gender resource persons in the country.
- Have potential to conduct training and awareness programme for various stakeholders.
- Potentiality to develop Curriculum for different level of education .
- WSRC can act as a nodal centre for all Universities & Colleges of the state.
- To introduce Bachelor and Master Degree in Women's Studies.
- Curriculum of Women's Studies is Unique.

### **Challenges**

- Gender Sensitization of University community including students.
- Utilization of UGC grants for WSRC under XIIth Plan; university is yet to facilitate.
- Recruitment of Faculties & Non Teaching staff for WSRC, UGC has already approved Teaching & Non-Teaching under XIIth Plan University is yet to procure the post.
- To develop Cluster of Women's Studies Centres under Berhampur University.

### 52. Future plans of the department.

- To give WSRC a shape of a Department cum Research Centre.
- To develop WSRC to accord Phase III grade in UGC grading ladder.
- To document & publish on peculiar and new areas of Research relating to women starting from south zone of Odisha specific up to world perspective.
- To take up interdisciplinary research.
- To develop Curriculum for Bachelors and Master Degree for Odisha University & Colleges.
- Inviting Eminent Scholars and Activists of Women's Studies for lecture series.

RESEARCH PUBLICATIONS (2010 to 2015)  
WOMEN'S STUDIES RESEARCH CENTRE

**Dr.Urmimala Das**

1. Das, U, (2014) "Women in Local Governance: A Study of Prisons in Ganjam District". ISSN 2231-4245, International Journal of Research in Commerce, Economics & Management, Volume No.4 Issue No. 08. , p1-5 <http://ijrcm.org.in>(online e-journal).
2. Das,U,(2013), "*Women's Right to Life and HIV/AIDS*", Social Modernity, Asian Journal of Social Science, ISSN-2229-6050, Vol-3,no1&2 , India,Pp-28-39.
3. Das, U, (2012), "Nari Mananka Birodhare Thiba Samasta Prakara Vedabhabara Bilopakarana" (CEDAW in Odia), ShortReport-6, WSRC, B.U, Bhanjabihar.
4. Das, U, (2010), *Gender Discrimination and Patriarchy: Issues of Female Foeticide in Orissa*, Social Modernity, Asian Journal of Social Science, ISSN-2229-6050, Vol-1, No. , 12, India, P-96 -107.

**FACULTY OF LEGAL STUDIES**

Department of Law

### BRIEF PROFILE OF THE DEPARTMENT OF LAW

1. Name of the Department	:	<b>Law</b>								
2. Year of the establishment	:	1985								
3. Courses / programmes and subject combinations offered	:	LL.M. [1.Business Law and Governance; 2. Criminal Law and administration; 3. Environmental Law and Legal Order]								
4. Number of Teaching posts sanctioned filled	:	Sanctioned: 6 = Professor-01; Readers -02; Lecturers-03. Filled : 02. +1 (Guest faculty)								
5. Number of Technical Staff present	:	Junior Assistant:-1								
6. Number of students (Men / Women) Give Details Coursewise	:	<table border="0" style="width: 100%;"> <tr> <td>P.G.</td> <td>M</td> <td>F</td> <td>Total</td> </tr> <tr> <td>2014-15</td> <td>16</td> <td>9</td> <td>23</td> </tr> </table>	P.G.	M	F	Total	2014-15	16	9	23
P.G.	M	F	Total							
2014-15	16	9	23							
7. Ratio of Teacher to students	:	2:48								
8. Ration of Teachers to Research Scholars	:	1:8								
9. Number of Teachers scholars who have obtained their master's degree from other institutions	:	Teacher : 2 – Both the teachers from other institutions Scholar: 06								
10. Number of Teachers in Academic Bodies of other Autonomous College and Universities	:	2- Both the teachers are members of other academic bodies.								
11. Latest revision of the curriculum (year)	:	2015 (Choice Based Course of Study) CBCS								
12. Number of student passed in NET/ SLET etc. (last 5 years)	:	3								
13. Success rate of students	:	100%								
14. Demand Ratio (No. of application)	:	5 : 3 for the session 2014-15								
15. Awards and recognition received by faculty (last 5 years)	:	Nil								
16. Faculty who have attended National / International Seminars (last 5 years)	:	National: 21 International : 4								
17. Number of National Seminars organize (last 5 years)	:	2								
18. Number of Teachers engaged in consultancy and the revenue generated	:	Nil								
19. Number of ongoing projects and their total outlay	:	Nil								
20. Research project completed during last five years and their outlay	:	Nil								
21. Number of inventions and patents	:	Nil								
22. Number of Ph.D. theses guided during the last five years	:	Ph.D –16, LL.D –2								
23. Publication by faculty (last five years)	:	25								
24. Average citation index and impact factor of publication	:	All journals are ISSN and Books- ISBN								
25. Number of books in the Department Library, if any	:	Department Library Non-existent								
26. Number of Journals / Periodicals in the departmental library	:	No library facilities available in the Department								
27. Number of Computers in the Department	:	Working Condition : - 2 Laptops Non-working condition : 7 Desktop computer, 2 laptops								
28. Annual Budget (excluding salary) in Rupees	:									
• Equipment	:	2014-15 (1,80,000/-); 2015-16(60,000/-) 2016-17 (Rs.60,000/-)								
• Books and Journals	:	2014-15 (Rs.1,08,000/-)								
• Other contingency	:	Office contingency (Rs.1,000/-)								
• Lab. Contingency	:	Nil								

### Evaluative Report of the Department of Law

1. Name of the Department : **Law**
2. Year of establishment : 1985
3. Is the Department part of a School/Faculty of the university? : Faculty of Legal Studies
4. Names of programmes offered : P.G., Ph.D. LL.D.
5. Interdisciplinary programmes and departments involved: Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : No
7. Details of programmes discontinued, if any, with reasons: P.G. Diploma in Human Rights, Duties and Education and Disaster Management were discontinued due to lack of financial support from the University.
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Semester system / Choice based credit system effective from 2015-16.
9. Participation of the department in the courses offered by other departments : Participation in the academic and curriculum programme as guest and resource faculty, in the Department of Commerce, M.B.A., Women's Studies and Self-financing course of MFC and Banking and Insurance.
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	Nil	3 CAS
Associate professor / Reader	2	Filled	1 CAS
Asst. Professors / Lecturer	3	2	
Others (Guest Faculty)	3	1	

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
B. Panigrahi	M.A., LL.M. Ph.D	Professor	Business Law and Labour Law	28	Ph.D.=14 LL.D.-02
M. M. Patnaik	M.A., LL.M., Ph.D	Reader	Family Law	30	Ph.D.=04 M.Phil.-02
B.B. Das (Retd.)	M.A., LL.M., Ph.D	Professor	Criminal Law	30	Nil
B.P. Panda (Retd.)	M.A., LL.M., Ph.D LL.D	Professor	Criminal Law	20	--

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors : Nil



13. Percentage of classes taken by temporary faculty – programme-wise information : LL.M. Programme : 25% of classes
14. Programme-wise Student Teacher Ratio : 48:2
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: sanctioned and filled –and One

1	Office Assistant	Administrative staff	One (Sanctioned)	Filled-1
2	Peon	Support staff	One (Sanctioned)	Filled-1

16. Research thrust areas as recognized by major funding agencies: No thrust area recognized by major funding agencies.
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : Nil
18. Inter-institutional collaborative projects and associated grants received
  - a) National collaboration Nil
  - b) International collaboration Nil
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil
20. Research facility / centre with
  - State recognition : √
  - National recognition : √
  - International recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil
22. Publications:
  - Number of papers published in peer reviewed journals (national / international):21
  - Monographs : Nil
  - Chapters in Books : 02
  - Edited Books : Nil
  - Books with ISBN with details of publishers: 02
    - B.Panigrahi - Intellectual Property Rights and the Law, ISBN No.81-8069-204-3, Gogia Law Agency, Hyderabad.
    - M.M. Patnaik= Indian Company Law- Part-I, Academic Excellence, New Delhi-2012, ISBN No. 978-93-80-525-77-8
  - Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.)
  - Citation Index – range / average
  - SNIP
  - SJR
  - Impact Factor – range / average
  - h-index
23. Details of patents and income generated : Nil
24. Areas of consultancy and income generated : Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions/ Industries in India and abroad: Prof. B. Panigrahi visited Ethiopia as a Visiting Professor and Delivered lecturers in Hawasa University during May-June, 2013.
26. Faculty serving in
- National committees
  - International committees
  - Editorial Boards
  - any other (please specify) :  
Prof. B. Panigrahi – Member, Advisory Board of “Indian Human Rights Law Review”, Kolkata
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs). : Nil
28. Student projects
- percentage of students who have done in-house projects including inter-departmental projects : 50%
  - percentage of students doing projects in collaboration with other universities industry / institute : 50%
29. Awards / recognitions received at the national and international level by
- Faculty : Nil
  - Doctoral / post doctoral fellows : Nil
  - Students : Nil
30. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any. Two UGC funded National seminars organized and the topic of the seminars were (1) ‘Reputes of the Old Age person’ conducted on April 18, 2010 (2) ‘Intellectual Property Rights: Issues and Challenges’ on December 21 -22, 2011.
31. Code of ethics for research followed by the departments: Is being developed.
32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
LL.M. – 2010	52	18	03	66.66	100
2011	38	16	06	89.12	100
2012	47	20	04	100	100
2013	22	15	06	100	100
2014	40	13	10	100	100
2015	39	18	06	--	--

33. Diversity of students

Name of the programme	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
<b>P.G.</b>				
2010-11	60.86	39.14	--	--
2011-12	45.84	54.16	--	--
2012-13	75.00	25.00	--	--
2013-14	83.34	16.66	--	--
2014-15	69.56	30.44	--	--
2015-16	75.00	25.00	--	--

<b>Ph.D.</b>				
2010-11	75.00	--	25.00	--
2011-12	50.00	--	50.00	--
2012-13	25.00	--	75.00	--
2013-14	0	--	100.00	--
2014-15	34.00	--	66.00	--
2015-16	71.42	--	28.58	--
<b>LL.D.</b>				
2013-14	0	100.00		
2014-15	0	100.00		

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

NET -03

1. Himansu Sekhar Panda : Qualified UGC NET -2011
2. Trilochan Lenka : Qualified UGC NET -2013
3. Sunil Khatai : Qualified UGC NET -2013

OJS-05

1. Sasmita Nandini Tripathy : OJS- 2010
2. Sandya Rath : OJS- 2013
3. Desapriya Barik : OJS- 2013
4. Narottam Sethy : OJS- 2013
5. Sunanda Sahu : OJS- 2013

Bank Law Officer-04

1. Swaraja Parida : Law Officer in Andhra Bank 2011
2. Balaskrishna Palai : Law Officer in NABARD 2011
3. Sunil Khatai : Law Officer in SBI 2013
4. Himansu Sekhar Panda : Law Officer in IOB 2013

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	NA
PG to Ph.D.	Average -25%
Ph.D. to Post-Doctoral	Nil
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	No campus selection for law students
Entrepreneurs	Most students choose the independent Profession of practicing Law -Advocates

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	0%
From other universities within the State	75%
From universities from other States	25%
From universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : Nil
38. Present details of departmental infrastructural facilities with regard to
- Library : No library facility available in the department
  - Internet facilities for staff and students : Not available at present
  - Total number of class rooms : 02
  - Class rooms with ICT facility : Nil
  - Students' laboratories : Nil
  - Research laboratories : Nil
39. List of doctoral, post-doctoral students and Research Associates :
- a) From the host institution/university  
B. Panigrahi -Doctoral- (a) Dharmendra Behera, B.U. (b) Deepa Muduli, B.U.  
M.M.Patnaik- Doctoral (a) Sunil Khatai, B.U.(b) L.N. Raychoudhary  
(c) Abani Kumar Gaya, B.U.
- b) From other institutions/universities:  
B. Panigrahi -Doctoral- (a) L. Bharati, O.U. (b) Saji Kumar, O.U.  
(c) R. Narayan Swamy, O.U.  
B. Panigrahi -Post Doctoral- (a) Dr. Y.P. Ramsubbaya, O.U.
40. Number of post graduate students getting financial assistance from the university . :
41. Was any need assessment exercise undertaken before the development of new programme(s)?  
If so, highlight the methodology. : No
42. Does the department obtain feedback from
- i. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? : Teachers time to time supply feedback which is being utilized for framing curriculum and course subject.
  - ii. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Rarely received any feedback from any student
  - iii. Alumni and employers on the programmes offered and how does the department utilize the feedback? : Employers feedback on programmes honoured and acted upon in conduct of programmes in the department
43. List the distinguished alumni of the department (maximum 10)
1. Dr. Pradeep Kumar Panigrahi-Higher Education Minister, Govt.of Odisha, 2014
  2. Sasmita Nandini Tripathy- Odisha Judicial Service, 2010
  3. Sandya Rath- Odisha Judicial Service, 2013
  4. Desapriya Barik- Odisha Judicial Service, 2013
  5. Narottam Sethy- Odisha Judicial Service, 2013
  6. Sunanda Sahu- Odisha Judicial Service, 2013
  7. Himansu Sekhar Panda-Law Officer in IOB, 2013
  8. Sunil Khatai-Law Officer in SBI, 2013
  9. Swaraja Parida, Law Officer in Andhra Bank, 2011
  10. Balaskrishna Palai, Law Officer in NABARD, 2011
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: 2010-3 (Three) special lecturer programme, ; 6 students seminars; 2011-11 (Eleven) student seminars; 2012-14 (Fourteen) student seminars; 2013-12 (Twelve) student seminars; 2014-14 (Fourteen) student seminars; 2015-7 (Seven) special lecturer and 16 (sixteen) student seminars.
45. List the teaching methods adopted by the faculty for different programmes: P.G. -  
Lecture method / Case Law method / Participatory method / Group Discussion / Seminar presentation Research – Ph.D. / LL.D. – Social Science research method / Legal Research Method / Case Law Method

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? : By conducting mid sem. examination / interactive sessions / Quiz contest / Group Discussions etc. programme object is satisfactorily met in P.G. and research programmes which are evinced from the good results of the students.
47. Highlight the participation of students and faculty in extension activities. : Students participation in NSS, Sports, Lok Adalat and Legal Aid programmes.
48. Give details of “beyond syllabus scholarly activities” of the department. : There are no such specific activities
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. : No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. : Nil
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

#### **Strength**

- Premier institute of Post Graduate studies in Law in South Odisha
- Curriculum best suited to contemporary demand in legal studies.
- Impressive number of pro-active alumni
- Promising future in legal studies in respect of employability due to low ratio of legal professionals world-wide.
- Ever increasing importance of judiciary in the society and emerging avenues such as out of court dispute redressal mechanism etc.

#### **Weaknesses**

- Insufficient number of faculty members and supporting staffs
- Weak infrastructural facilities
- Lack of modern amenities for student services
- Student catchment area in South Odisha is characterized by low enrollment ratio in higher education.
- Negative gender ratio in students persuing legal studies.

#### **Opportunities**

- Create legal academicians and professionals
- Conduct research in region specific issues
- Act as a catalyst for development of governance in emerging democracy in the under-developed districts of the country
- Introduce short certificate courses to satisfy demand of the society.
- Cooperate and collaborate with outside universities.

#### **Challenges**

- Providing quality legal education
- Evolving curriculum coping up with changing priorities of the society
- Enriching the lives of first generation legal learners from disadvantage sections of the society.
- Building -up the department as a rich resource centre for legal learning, research and outreach.
- Spread of legal awareness in the region.

52. Future plans of the department.

- Post Graduate Department of Law aspires to establish three super specialization centres namely:-1. Centre for Studies in Business Law and Corporate Governance; 2. Centre for studies Criminal Law and Administration; 3. Centre for Studies in Human Rights and Development.
- To shape the human resources in legal expertise appropriate for national and international standards.

**RESEARCH PUBLICATIONS (2010-2015)**  
**DEPARTMENT OF LAW**

**Professor Bhagirathi Panigrahi**

1. Panigrahi, B., (2015). *Independence and Accountability of Judiciary: An overview* in Pezzottaite journals – International Journal of Trade and Global perspectives, Jammu-Tawi, J&K, India-180012, Vol.4, No.2, ISSN (P) 2319-9059, ISSN (O) 2319-9067, 1631-1635.
2. Panigrahi, B., (2015). *National Rural Employment: Myth and Realty* in International Journal of Law and Legal Jurisprudence studies, Volume 2, Issue 5, ISSN No. 2348-8212, 39-48.
3. Panigrahi, B., (2014). *Surrogacy in Indian Legal System: Human Rights concern* in Asia Pacific Panorama, Vol. XII, Issue No.2, ISSN No. 0972-7051, 41-49.
4. Panigrahi, B., (2013). *Protection for women from Domestic Violence: Needed a More Human Approach* in Role of women in Indian Economy – (Ed.) Dr. G.M. Bhatt, V.L. Media Solution, New Delhi, ISBN No. 978-93-80820-37-8, 69-80.
5. Panigrahi, B., (2013). *Emergence of New Technology and Enforcement of Copyright* in Intellectual Property-Rights Dimensions and Issues (Ed.) Dr. Onkar Nath Tiwari, Radha Publications, New Delhi, ISBN No. 81-7487-844-0, 41-48.
6. Panigrahi, B., (2012). *Protection of Elderly Persons: Problems and Prospects* in Indian Human Rights Law Review, Vol. III, Issue 2, ISSN No. 2230-036, 235-243.
7. Panigrahi, B., (2011). The Separation of ownership and Control - A New dimension for business success in *Corporatization and Corporate Social Responsibility* – (Ed.) Dipak Das and Sanjay Kumar Singh, S.S. Publishers and Distributors (P) Ltd., New Delhi, ISBN No. 13:9789380090177, 203-210.
8. Panigrahi, B., (2011). *Regulations for collection, storage and supply of Blood and Human Rights* in Research Journal of Berhampur University, Vol.1, ISSN No. 2250-1681, 242-245.
9. Panigrahi, B., (2010). *Reproductive Technology and Women- The Emerging Legal Issues* in Orient Journal of Law and Social Science, Vol. 2, Issue No. 10, ISSN No. 0973-7480, 5-10.
10. Panigrahi, B., *Intellectual Property Rights and the Law*, ISBN No-81-8069-204-3, Gogia Law Agency, Hyderabad.

**Dr. (Mrs)Manoj Manjari Pattnaik**

1. Chowdhury, Aparajita and Patnaik Monaj Manjari, Reeta and Rout (2014) "Family Victimization and Plight of Elderly Women: A Representative Study in Odisha State of India." International Research Journal of Social Sciences, Vol.3 (6) 01-10, (ISSN 2319-3565).online available www.isca.in.
2. Patnaik Monaj Manjari & Dash, Pratap Chandra (2013). "Primary Duty of Judiciary to Protect Personal Liberty", Oriental Journal of Law and Social Science. Vol. VIII, Issue No 5, 72-75, (ISSN No.0973-7480).
3. Panda Bhabani Prasad, Patnaik Manoj Manjari & Panda Minati (2013) "Protection of Elderly Consumers : Issues and Challenges", IUP Law Review Vol. III, Issue No 1, 05-16, (ISSN No.2231-3095).
4. Chowdhury, Aparajita and Patnaik Monaj Manjari (2013) "Understanding Indian Family Life: The Gender Perspectives" International Journal of Multidisciplinary Management Study. EXCEL, EIJMMS. Vol.3 (7) (ISSN No. 2249-8834) Online available at zenithresearch.org.in.
5. Sahu, Gyanendra & Patnaik Monaj Manjari (2013). "Human Rights Issues and Challenges of Susceptible Children in Modern Indian Family" Human Rights and Law. Vol.10, No-12.
6. Patnaik Monaj Manjari and Chowdhury, Aparajita, Rout, Gayatri (2012) "Parental Abuse and Child Rights Issue" Social Welfare. Vol., 58, No.10, 24-29, (ISSN No.0037-8038)
7. Sahu, Amiya Kumar, Patnaik Manoj Manjari and Panda Bhabani Prasad (2012). "Study of Enforcement Mechanism of 'Security Interest' in India" Corporate Law Cases Vol. III, 133-142.
8. Sahu, Gyanendra & Patnaik Monaj Manjari (2012). "Doctrine of Ultra Vires & Investor Protection", Journal of Education and Humanities. Vol.2, No.4, 28-36, (ISSN No: 0037-8038).
9. Sahu, Gyanendra & Patnaik Monaj Manjari (2012). "Public Interest Litigation and Corporate Investors" Journal of International Educational Research and Development. Vol. 2, No. 1 62-67, (ISSN: 2250-3862).
10. Sahu, Gyanendra Kumar & Patnaik Manoj Manjari (2012) Indian Company Law, (Part-I) New Delhi : Academic Excellence.

11. Chowdhury, Aparajita and Patnaik Monaj Manjari (2011) "Life in the Sunset Years: Family Victimization of Elderly Women in ODISHA" Research Journal Berhampur University. Vol. I, 2011 164 -175 ,ISSN No: 2250-1681.S
12. Patnaik Monaj Manjari & Sahu, Gyanendra (2011) "Safe Motherhood: The Human Rights Response" Research Journal Berhampur University Vol. I, 213-219, ISSN No: 2250-1681.
13. Patnaik Monaj Manjari & Sahu, Gyanendra (2011) "Economic Empowerment of Women: The Micro Credit System" Orient Journal of Law and Social Sciences.Vil.5, Issue No-5, 138-144,( ISSN No: 0973-7480 ).
14. Patnaik Monaj Manjari & Behera, Bijajya Kumar (2010) Adolescent Health and Corporal punishment. The legal response. Orient Journal of Law & Social Vol. IV, Issue 2 Pages Nos. 42-53 ISSN No: 0973-7480.
15. Chowdhury, Aparajita and Patnaik Monaj Manjari (2010) "Empowering Boys and Men to Achieve Gender Equality in India" Developing Societies. Vol. 26. No. 4,455-476, ISSN No: 0169-796X R.K. Publications, Secunderbad, Andhra Pradesh Journal of December

**FACULTY OF BUSINESS STUDIES AND MANAGEMENT**



Department of Business Administration

### BRIEF PROFILE OF THE DEPARTMENT OF BUSINESS ADMINISTRATION

1. Name of the Department : **Business Administration**
2. Year of the Establishment : 1987
3. Courses Offered : Two Years full time MBA Programme
4. Number of teaching post sanctioned filled : Sanctioned: 15, Filled: 09
5. Number of Technical Staff Present : 01 Sr. Asst
6. Number of Students (Men/ women) : 30 (MBA Part-I) and 30 (MBA Part-II)) M-19 F-11
7. Ratio of teacher to Students : 4:1
8. Ratio of teachers to Research Scholar : 2:1
9. Number of teachers scholars who have obtained their Master's degree from other institutions : 03 + 02= 05
10. Number of teachers in Academic Bodies of other Autonomous Colleges & Universities : 04
11. Latest revision of Curriculum : 2015, Adopted CBCS pattern
12. Number of students passed in NET/SLET : 10
13. Success rate of the Students : 100%
14. Demand ratio : Admission as per OJEE
15. Awards and Recognition received by faculty : Prof. D. Panigrahi awarded Best teacher award in 2010
16. Faculty who have attended National and International Seminars (2010 -2015)

Sl No	Name of the Teachers	No. of Conferences and Seminars participated / invited/ Presented Paper		
		National	International	Total
1	Prof.P.K.Padhy	9	5	14
2	Prof.D.Panigrahi	2	0	02
3	Prof.A.K.Sahu	10	1	11
4	Prof.S.N.Pathi	2	1	03
5	Dr.A.K.Panda	7	1	08
6	Dr.S.K.Baral	2	6	08
7	Dr.N.R.Misra	7	3	10
8	Dr.S.K.Chaudhury	12	9	21
9	Dr.S.K.Pradhan	6	4	10

17. Number of National/ International Seminar Organised by the Department (2010 -2015)

National-04, International -01

18. Number of teachers engaged in consultancy and revenue generated : Nil
19. Number of ongoing projects and their total outlay : Nil
20. Research project completed during last 5 years : Nil
21. Number of inventions and patents : Nil
22. Number of Ph.D. thesis guided during the last five years: Awarded: 35 and Ongoing : 29
23. Publication by faculty : 153
24. Average citation index and impact factor of publication :
25. Number of Books in the Department Library : 852
26. Number of Journals/ periodicals in the Department Library : 300back volumes
27. Number of Computers in the Department: Working: 10 Non working : 17
28. Annual Budget: Budget for 2015-16 Rs.19, 74, 000/- for equipments, books & journals, Lab contingency and other contingency.

### Evaluative Report of the Department

1. Name of the Department : **Business Administration**
2. Year of establishment : 1987  
: PGDBIM (SFC)- 2008
3. Is the Department part of a Faculty of the university? Business Studies and Management
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.): P.G, Ph.D. and D.Litt. in Business Administration.
5. Interdisciplinary programmes and departments involved: Yes (with IR& PM, Commerce, Economics, Post Graduate Diploma in Insurance Management, Law.
6. Courses in collaboration with other universities, industries, foreign institutions, etc. Yes (recently a collaborative exchange programme with Walsh College, Michigan, USA established from 6<sup>th</sup> April, 2015.
7. Details of programmes discontinued, if any, with reasons: One programme namely MBA in Retail Management on SF Mode could not be conducted since two years due to less number of applicants.
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System : Semester pattern of examination was in force till 2014-15
9. Participation of the department in the courses offered by other departments: Yes. Faculty members of the department are associated with other departments viz. Add on courses like Personality Development.
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Post	Sanctioned	Filled	Actual
Professor	3	0	4
Associate professor/ Reader	5	3	3
Asst. Professor/lecturer	6	5	1
Placement Officer	1	1	1

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialisation	No of years of Experience	No of Ph.D. students guided for the last 5 years
Prof. P.K.Padhy	MBA, M.A, M.Phil, Ph.D, FDP, IIM (Ahmadabad)	Professor	HRM	33	10
Prof.D. Panigrahi	PGDBM, M.Com Ph.D.	Professor	Marketing	31	04
Prof. A.K.Sahu	MBA, M.Com Ph.D.	Professor	HRM	29	02
Prof.S.N. Pathi	M.Com, M.Phil Ph.D	Professor	Finance	30	10
Dr. A.K.Panda	M.Sc Statistics, Ph.D	Reader	QT & Operation	35	02
Dr. S.K.Baral	MBA, Ph.D, UGC NET	Reader	Finance	24	02
Dr. N.R.Misra	MBA, Ph.D,LLB	Reader	Marketing	22	05
Dr.S.K. Chaudhury	MBA.M.Com PGDPM& IR, Ph.D.	Placement Officer	Finance	15	04
Dr.S.K. Pradhan	MBA, MFT, Ph.D, UGC NET	Lecturer	Marketing	14	03

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors : Nil
13. Percentage of classes taken by temporary faculty – programme-wise information :
- Soft Skill training for students by Mr. Sabyasachi Das, IBM, Frankfin, BBSR
  - Mr. S. K. Das, Administrative Officer, LIC, Berhampur for PGDBIM
14. Programme-wise Student Teacher Ratio 8:1
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Name of the supporting staff	Sanctioned	Filled	Actual
<b>Technical</b>			
Programmer	1	Not filled	Vacant
Computer Operator	1	Not filled	Vacant
<b>Administrative Staff</b>			
Senior Assistant	1	1	1
Steno	1	Not filled	Vacant
Attendant	1	Not filled	Vacant
Peon	1	1	1
Sweeper	1	1	1

16. Research thrust areas as recognized by major funding agencies : NIL
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : NIL
18. Inter-institutional collaborative projects and associated grants received NIL
- National collaboration
  - International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. Nil
20. Research facility / centre with
- State recognition : √
  - National recognition : √
  - International recognition : √

Research facilities at State/National/International level are available in the department and the university as a whole.

21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil
22. Publications:
- Number of papers published in peer reviewed journals (national / international) : 82
  - Monographs : Nil
  - Chapters in Books : 20
  - Edited Books : 4
  - Books with ISBN with details of publishers : 39
  - Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) :
  - Citation Index – range / average :

- SNIP :
  - SJR :
  - Impact Factor – range / average :
  - h-index :
23. Details of patents and income generated : Nil
24. Areas of consultancy and income generated : Nil
25. Faculty selected nationally/internationally to visit other laboratories/institutions/ industries in India and abroad :
- Prof. Prasanta Kumar Padhy has visited different public and private sector companies as Trainer, Chairperson and Speaker in National and International conferences, Examiner in UPSC, etc.
26. Faculty serving in
- a) National committees b) International committees c) Editorial Boards d) any other (please specify)
- Involved in various editorial boards in various journals  
 Prof. P. K. Padhy is in the Alumni of IIM, Ahmadabad.  
 Faculty Members of the Department are members of the editorial board of the Journal- Strategy
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).
- Dr. Sunil Kumar Pradhan attended a Refresher Course during 18<sup>th</sup> Dec. 2012 to 8<sup>th</sup> January 2013.
  - Dr. Arun Kumar Panda organized a 2days workshop on Research Methodology
  - Dr. Nihar Ranjan Misra conducted a workshop on New Age Entrepreneurship –My Story Sessions during 2nd Feb, 2013.
28. Student projects
- Percentage of students who have done in-house projects including inter-departmental projects - 100%(As part of the curriculum, students of second semester MBA attend the Summer Internship Programs for 7 weeks in different companies and submit a project thereof to the department)
  - Percentage of students doing projects in collaboration with other universities / industry / institute -NIL
29. Awards / recognitions received at the national and international level by
- Faculty – Association of Indian Universities, New Delhi acknowledged Dr. Nihar Ranjan Misra, as one of the five Conveners of India to Conduct the 30th Inter University Central Zone Youth Festival –during November 2014
  - Doctoral / Post Doctoral fellows
  - Students – Students of the Department participated and received awards in the National Level youth festivals organized by ASBM, Bhubaneswar during December 2012.
30. Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any.
1. Two days UGC Sponsored National Workshop on Research Methodology organized by the Department
  2. National Level Workshop on New Age Entrepreneurship –My Story Sessions organized by the Department in collaboration with The Indus Entrepreneurs(TiE),Bhubaneswar, Odisha, during 2<sup>nd</sup> February 2013.

3. UGC Sponsored International Seminar on “Emerging Business Opportunities for Sustainable Development” organized by the Department during 6-7<sup>th</sup> April 2015.
4. Department organized Alumni Meet (MILAP-2015) on 5<sup>th</sup> April 2015.

31. Code of ethics for research followed by the departments: Nil

32. Student profile programme-wise:

Name of the Programme	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
MBA 2010-11	Admission through OJEE	18	12	100	100
MBA 2011-12		17	13	100	100
MBA 2012-13		18	10	100	100
MBA 2013-14		15	14	100	100
MBA 2014-15		24	14	97	97

Name of the Programme	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
PGDBIM 2010-11	08	4	1	100	100
PGDBIM 2011-12	10	3	4	100	100
PGDBIM 2012-13	12	2	6	100	100
PGDBIM 2013-14	10	2	4	100	100
PGDBIM 2014-15	12	2	5	100	100

33. Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students From universities outside the State	% of students From other countries
MBA 2010-11	55	45	Nil	Nil
MBA 2011-12	68	32	Nil	Nil
MBA 2012-13	62	38	Nil	Nil
MBA 2013-14	59	41	Nil	Nil
MBA 2014-15	60	40	Nil	Nil
PGDBIM 2010-11	100	-	Nil	Nil
PGDBIM 2011-12	70	30	Nil	Nil
PGDBIM 2012-13	85	15	Nil	Nil
PGDBIM 2013-14	50	50	Nil	Nil
PGDBIM 2014-15	73	30	Nil	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

List of NET Qualifiers:

1. GayatriPadhy,
2. Manash Kumar Sahu
3. SitanathRaiguru
4. JyotiRanjanPani
5. Narayan Maharana
6. Girish Dash

7. BibhutiBhushan
8. Jitendra Kumar Sahoo
9. Sarita Rani

## 35. Student progression

Student progression	Percentage against enrolled
UG to PG	Not Applicable
PG to M.Phil.	Not Applicable
PG to Ph.D.	03 no.
Ph.D. to Post-Doctoral	Nil
Employed	
• Campus selection	15%
• Other than campus recruitment	40%
Entrepreneurs	3 percentage

## 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	80 %
From other universities within the state	20%
from universities of other States	0%
from universities outside the Country	0%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period :  
NIL

## 38. Present details of departmental infrastructural facilities with regard to

- a) Library :876 number of books are available in the Seminar library
- b) Internet facilities for staff and students :Wi-Fi Facility available
- c) Total number class rooms :04
- d) Total number of class rooms Class rooms with ICT facility :03
- e) Students' laboratories :01
- f) Research laboratories : NIL

## 39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university : List of Ph.D degree holders during 2010-15 to be attached
- b) from other institutions/universities

Sl. No.	Date of Viva Voce Test	Name of the Scholar	Name of Guide
1.	06/06/2011	Ratnakar Mishra	Prof. R.N. Subudhi
2.	06/07/2011	Sisir Swain	Prof. S.N.Pathi
3.	17/08/2011	Sarat Ku. Padhi	Prof. A.K. Mohanty & Dr.S.Mahapatra
4.	04/11/2011	Siba Prasad Mahapatra	Prof. A.K.Sahu
5.	21/12/2011	N.V. JagannathRao	Prof. S.N.pathi
6.	11/01/2012	Aruna Kumar Panda	Dr.A.K.Panda & Prof. P.C.Mishra
7.	10/02/2012	Chintamani Prasad Pattnaik	Prof. A.K.Mohanty
8.	15/02/2012	K.V. Somanadh	Prof. A.K.Mohanty
9.	22/02/2012	K. Sasidhar	Prof. A.K.Mohanty
10.	24/02/2012	Pradeeep Ku. Pattnaik	Prof. D. Panigrahy
11.	07/03/2012	Rabinarayan Dash	Prof. A.K.Mohanty

12.	01/09/2012	Suresh Ch. Pattnaik	Prof. P.K.Padhy
13.	03/10/2012	S.P.Mishra	Prof. D.Panigrahy
14.	06/11/2012	Er. Narayan Tiadi	Prof. S.N.Pathi & Prof. P.K.Padhy
15.	04/01/2013	Trilochan Nayak	Prof. P.K.Padhi & Prof. A.K. Pattnaik
16.	07/01/2013	Kumuda Ch. Gouda	Dr.A.K.Sahu
17.	05/02/2013	K.Millan Ku. Patro	Prof. J.J.Rao & Prof. P.K.Padhi
18.	25/02/2013	B. Siva Kumar	Prof. A.K. Mohanty
19.	01/05/2013	BhaskarBandopadhyaya	Prof. A.K.Mahapatra & Dr.A.K.Panda
20.	22/06/2013	Y. Soma SekharaPatra	Prof. A.K.Mohanty
21.	17/08/2013	Pruthbiraj S. Pattnaik	Prof. D.Panigrahi
22.	07/03/2014	SoumyaRanjanPadh	Prof. P.K.Padhy
23.	08/03/2014	AsutoshChoudhury	Prof.P.K.Padhy
24.	12/03/2014	Monaj Ku. Pradhan	Prof. S.N.Pathi
25.	02/04/2014	Rukesh Ku. Misro	Prof. S.N.Pathi
26.	10/05/2014	Rabindranath Malana	Prof. S.N.Pathi
27.	23/07/2014	PriyadarshiniPadhi	Prof. A.K.Sahu
28.	28/07/2014	Santosh Ku Patra	Prof. K.C. Raot & Prof. S.N.Pathi
29.	08/11/2014	L.KanaswarRao	Prof. S.N.Pathi
30.	21/01/2015	Sarita Das	Prof. A.K. Mohanty
31.	26/03/2015	Susanta Kumar Patra	Dr.A.K. Panda & Prof. Basudeb Chhatoi
32.	27/04/2015	BibhuduttaMohanty	Dr.S.K.Baral

40. Number of post graduate students getting financial assistance from the university:

21 Students have received financial assistance from the University during 2010-15

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. : The department assessed the need and importance of new programmes such as Executive MBA first then developed a methodology with details modus operandi to run the programme. Basically the data collected from various stakeholders of the university before the development of new programmes.

42. Does the department obtain feedback from

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Not Applicable
- Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Not Applicable
- Alumni and employers on the programmes offered and how does the department utilize the feedback? Not Applicable

43. List the distinguished alumni of the department (maximum 10)

Sl.No	Name	Organisation
01	Rakesh Mishra, Director, HR	Hindalco
02	NiharRanjan Nayak	OPGC
03	SudhajitHota, Director	Zen Kem
04	SasmitaSethi, Promoter	BRM Group



05	SailendraBebetra, Director	Sunlife Finance
06	Prasanta Ku Dash, Vice President	Axis Bank
07	Akshya Ku Mahapatra, Sr. GM	Glenmark Pharma
08	Boby Varansi	Free Lance Consultancy Malaysia
09	Ansu Barua, Sr. Finance Manager	NTPC
10	Latika Panigrahi, Director	Hemalata Cancer Hospital
11	Sasanka Sekhar Nayak, Delivery Head	Infosys
12	Biswajit Patnaik, Sr. Finance Officer	MCL, Sambalpur
13	Arun Ku Pradhan, Sr. Accounts Officer	Indian Oil

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

2days UGC Sponsored National Workshop on Research Methodology organized by the Department during 29-30<sup>th</sup>, September, 2011.

National Level Workshop on New Age Entrepreneurship –My Story Sessions organized by the Department in collaboration with The Indus Entrepreneurs(TiE),Bhubaneswar, Odisha, during 2<sup>nd</sup> February 2013.

UGC Sponsored International Seminar on “Emerging Business Opportunities for Sustainable Development” organized by the Department during 6-7<sup>th</sup> April 2015.

Department organized Alumni Meet (MILAP-2015) on 5<sup>th</sup> April 2015.

45. List the teaching methods adopted by the faculty for different programmes.

: Case study Method, PPT, Business Game, Business Quiz, Presentation, Role Play

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

From time to time the department used to monitor the student related activities such as Mid-Sem quiz, Group Discussion, Quiz, Extempore, supervising project reports.

47. Highlight the participation of students and faculty in extension activities.

The students of the department have been continuously involved in different extension activities viz. NSS, Blood Donation Camp, SwachhaBhartAvijan& Talent search and cultural competition. Dr. N.R.Misra acts as Cultural Coordinator of the University organized 30<sup>th</sup> Inter University Central Zone Youth Festival. Prof. D.Panigrahi& Dr. N.R.Misra of the department organized & promoted sports activities as Secretary, Sports Council, Berhampur University.

48. Give details of “beyond syllabus scholarly activities” of the department .

- Conducing student seminars/ workshops
- Conduct Business quiz / Debate
- Preparation of project Reports
- Preparing student to attend Summer Internship programme in industries.
- Getting exposure to Industrial operations through Industrial tour.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.  
AIMA once rated B grade to the department in its rating

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:  
Basic: Change of Perception, Attitude, Leadership and Communication  
Applied: Applying the knowledge of management in real-life situation

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Strength**

- Qualified and experienced Faculty.
- Strong Alumni Association.
- One of the oldest universities in the state with 30 years old MBA programme.
- Organising various National Seminar/Workshop/ student seminars frequently towards grooming professional knowledge among the students.
- Better Computer lab/ Seminar Library/Wi fi facility.

**Weakness**

- Lack of IT teachers.
- Requisite infrastructure as per UGC provision is not available.
- Supporting staff inadequate.
- Locational disadvantages which affect the placement and industry academia interface.

**Opportunities**

- Committed teaching with new teaching aids.
- Scope for pursuing research work in rural & tribal areas.
- Scope for SIP as well as final placement through Alumni
- Scope for making the department a learning centre in field of Management in south Odisha.
- Scope for Executive MBA and Training programme.

**Challenges**

- To enhance the value of brand equity as well as net worth of the department.
- To broaden the bases of industry academia interface.
- To formulate the industry oriented pedagogy for the students.
- To strengthen the Alumni at National and international level.
- To provide the state of the art technology, innovative teaching methods and better infrastructure for the students including placement.

52. Future Plans of the Department:

The department is proactively planning to develop its entire academic and growth related activities and project the department image as Centre of Excellence on par with other Premium B Schools of the country. Further, the department proposes:

- Launching of Integrated MBA programmes /Executive MBA Programmes
- Organizing Management Development Programmes in different disciplines
- Conducting Faculty Development Programmes for the management teachers.
- Creating a Centre of Excellence in Marketing Research.

**RESEARCH PUBLICATIONS (2010-2015)**  
**DEPARTMENT OF BUSINESS ADMINISTRATION**

**Professor Prasanta Kumar Padhy**

- 1 Das, S and Padhy, P.K., (2015) "A Study On Role Efficacy And Engendering Trust On Performance Indicators". *Journal of Management and Science*, Vol.5. No.1, (ISSN: 2249-1260).
- 2 Bhuyan, J. and Padhy, P.K.,(2015), "Key Success Factors Of Achieving Sustainable Competitive Advantage: An Empirical Study". *SPC ERA IJBM*, Vol-3, Issue No-7 Jan.-Mar., 2015, pp. 41-53.
- 3 Singh, M., Brueckner, M., and Padhy, P.K., (2015), "Environmental Management System ISO 14001: Effective Waste Minimisation in Small and Medium Enterprises in India", *Elsevier Journal of Cleaner Production*, No. 102, 2015, pp- 285-301 (ISSN 0959-6526).
- 4 Padhy, P.K., & Bhuyan, J., (2015), "Determinant of Job Satisfaction in Public and Private Sector: An Empirical Study". *International Journal of Engineering Technology, Management and Applied Sciences*, Volume 3 Issue 1, January, 2015, (ISSN 2349-4476).
- 5 Singh, M., Brueckner, M., and Padhy, P.K., (2014), "Insights into the state of ISO14001 certification in both small and medium enterprises and industry best companies in India: the Case of Delhi and Noida", *Elsevier Journal of Cleaner Production*, No. 69, 2014, pp- 225-236 (ISSN 0959-6526).
- 6 Padhy, P.K. & Bhuyan, J.,(2014), "Cultural Antecedents of Job Satisfaction: A Study on Indian Banking Sector". *Modern Management- A Referred International Journal on Management Issues*, Vol-XXII, No.2, December, 2014;
- 7 Padhy.P.K.(2014),A Study on Consumer Buying Behaviour in Organized and Unorganized Retailing, Annual Conference of the Emerging Markets Conference Board on "Listening to Consumers of Emerging Markets" organized by IIM, Lucknow
- 8 Padhy.P.K. (2014), Impact of BPR on Performance Improvement: A Case Study of Banking Services, Annual Conference of the Emerging Markets Conference Board on "Listening to Consumers of Emerging Markets" organized by IIM, Lucknow.
- 9 Padhy.P.K.(2014),Role and Performance of SHGs on promoting Women Leadership: A study on Selected SHGs in Chitoor District , AP, *International Journal of Business and Administration* .
- 10 Padhy.P.K.(2014),Role Leadership in digital era: Role & importance of emotional Intelligences, *Research Review, Indian Journal of Humanities*.
- 11 Padhy.P.K.(2013),Unethical and Undesirable Practices in Advertising— A Critical Reflection, The Fourth IIMS International Conference on "Development Management in 21st Century". Cavite State University, Philippines.
- 12 Padhy.P.K.(2013),Competitive Advantage Through Business Process Re-Engineering: A Case Study of State Bank of India (SBI), The Fourth IIMS International Conference on "Development Management in 21st Century". Cavite State University, Philippines.
- 13 Padhy.P.K.(2013),Managing Service Quality Delivery: A Study on Selected Public, Private & Foreign Banks in Odisha, 5th IIMA Conference on Marketing in Emerging Economies Indian Institute of Management, Ahmedabad.
- 14 Padhy.P.K.(2013),Corporate Governance: Emerging Issues and Global Challenges, SV University, Tirupati in collaboration with Essex Business School, University of Essex, Colchester, UK.

- 15 Padhy.P.K.(2013), "Glimpses of Corporate Social Responsibility Initiatives in Indian Business".(Ed), Excel India Publications, New Delhi.
- 16 Padhy.P.K.(2012), Healthcare Consumerism and Changing Doctor-Patient Relationship, (Ed) Human Development in the New Millennium, Regal Publications, New Delhi
- 17 Padhy.P.K.(2012), A Review of Ethical Issues in Healthcare Service, Development Management in the Twenty First Century', Nova Science Publishers, Inc., New York, USA.
- 18 Padhy.P.K.( 2012),A Study of Ethics and Professional Values, Future Directions in Management: Ethics, Governance, Excellence and Sustainability", Bharati Publications, New Delhi .
- 19 Padhy.P.K.(2012),Environment Management Systems in Indian Small and Medium-Sized Enterprises, Academy of Taiwan Business Management Review
- 20 Padhy.P.K. (2012) Social Context of Indian Soap Opera and Women's Issues, ZENITH International Journal of Multidisciplinary Research.
- 21 Padhy.P.K. (2012), Data Mining: A Source for Creative Decision Making, Asia Pacific Journal of Marketing & Management Review.
- 22 Padhy.P.K. (2012), Brand Perception by Celebrity Endorsement, International Journal of Advanced Research in Management and Social Sciences, U.K.
- 23 Padhy.P.K. (2012) Supply Chain Management: A Business Centric Approach, International Journal of Engineering and Advanced Technology (IJEAT).
- 24 Padhy.P.K. (2012), Managing Customer Perceptions and Expectations of Service Quality in Banks: An Empirical Study, Asia Pacific Marketing Review.
- 25 Padhy.P.K.(2012),Linkage between Service Delivery and Service Quality in Indian Banks: An Empirical Study, International Conference on 'Marketing in Emerging Economies - An Agenda for the Next Decade' organized jointly by Punjab Technical University, Kapurthala and the Kenan-Flagler Business School, University of North Carolina (UNC), Chapel Hill, USA.
- 26 Das, S., K. Venugopal and Padhy, P.K.,(2012), "Surprise and Regularity: An Advertising Creativity Approach", *Shodh Ganga Management Journal*, Vol. 2, No. 1, Jan.-Dec., 2012 (ISSN: 2250-303X);
- 27 Padhy, P.K. and Das, G.P., (2011), "A Study on Ethics and Professional Values in Public and Private Sector Steel Industries", *3D... IBA Journal of Management & Leadership*, Vol: 3, Issue: 1, July-December, 2011.
- 28 Das, S., Patnaik, A.S.C. and Padhy, P.K., (2011), "The Golden Glow of India: A Financial Perspective", *The Management Page*, Vol. 2, Issue. 1, September, 2011.

#### **Professor Dibakar Panigrahy**

1. Panigrahy D., (2013). An empirical study of Shoppers Behaviour towards Retailing, *Journal of Business Management, Commerce & Research*,2(5), 61-73.
2. Panigrahy D., Chaudhury S.K. (2013), *Globalization of WTO and Indian Economy*, AVON Publications, Daryaganj, New Delhi.
3. Panigrahy D., (2010). C.R.M. for customer Retention in Banks, Vrinda Publishers, New Delhi.

#### **Professor Satyanarayan Pathi**

1. Choudhury, SumanKalyan, SatyanarayanPathi (2015) *Working Capital Management in Aluminum Sector: A Case Study of Nalco*. *International Journal of Innovative Research and Practices*. 3(1) 100-112.
2. SanjeevTripathy, S.K.Pradhan, S.N.Pathi (2014). *Emotional Intelligence of Employees and its implication on banking service*. *IJEMR* 4(5), 1-11.
3. S.N.Pathi&C.Kandaswami (2014).*Impact of Brand Perceived Quality on Customer's buying Intentions of Durable Products*. *BHU Management Review*. FMS BHU 83-89.

4. Pathi, S. N., (2013) *Motivational Factors among Small Investors*. International Journal of Management, 4, pp.34-48.
5. Pathi, S. N., PintuMahakul (2013). *The Importance of Spirituality on Employee Satisfaction*. Asian Journal of Social Sciences and Humanities, 3(9), 29-33.
6. Shiva Kumar Deene, Pathi, S. N. (2013). *Investors' Awareness about Capital Market Investments: a Study with special reference to Karnataka State*. IJARM, 4(3), 1-17.
7. C. Mahadeva Murthy, S.N. Pathi (2013). *An Assessment of Risk Management in Banking Sector: A Study with special reference to Public and Private Sector Banks in India*. IJARM, 4(3), 18-33.
8. Shiva Kumar Deene, Pathi, S. N. (2013). *Investment Strategies and Motivational Factors among small Investors: a Study with Special Reference to Karnataka State*. IJM, 4(4), 34-48.
9. Pradhan, S.K., Pathi, S.N. (2013). *Behaviour of the Consumer towards Durable Products*, SSDN Publishers & Distributors, New Delhi.
10. Pathi, S. N., PintuMahakul (2012) (Vol. 1, pp.261-271) Vedic Foundation of Indian Management. ISOL Publication. New Delhi.
11. Pathi, S.N.(2011) . *Banking Service in India*. Research Journal of Berhampur University. 1,191-206.
12. Pathi, S. N. (2010) *Changing Strategies in HRM (after Globalization)* (Vol.1, pp 33-40). Discovery Publishing House Pvt.Ltd. New Delhi.
13. Pathi, S.N., Sahu, P.C. (2010). *Performance Appraisal: An Essence of Career Development*. New Horizon of Business Thought. Annual Research Journal GIMS, 2, 115-120.

#### **Professor Anil Kumar Sahu**

1. Sahu A.K. (2014) *Impact Of Rural And Metropolitan Credit On The NPA Of Commercial Banks In India*, *Commerce and Management Research*, pp29-34.
2. Sahu A.K. (2014) *Financial Sector Reforms and The Performance Of Banking Sector In India*, *Orissa Journal Commerce*.pp.199-211.
3. Sahu.A.K (2012)*Management of OrganisationBehaviour*, ISBN-978-93-5056-014-5
4. Sahu A.K. (2012), *Empirical Investigation into the Factors Affecting the Performance of MSME in India*, *Kushagra International Management Review*, pp.77-83.
5. Sahu.A.K(2011)*Retail Marketing in India : The emerging issues and Challenges*,pp8-21, Discovery publication New Delhi.
6. Sahu.A.K (2011) *Recession crisis management*, Discovery publication, New Delhi.
7. Sahu.A.K. (2011), *Recession HIT Management*, Discovery publication, New Delhi.
8. Sahu.A.K.(2011),*SHGs and Micro Credit institutions*, Discovery publication, New Delhi,
9. Sahu. A.K. (2011), *Problems and Prospects of Retail Marketing*, Discovery publication, New Delhi.
10. Sahu.A.K (2011) *SHGs and micro credit management in Orissa –acceleration of women empowerment*, pp.1-3), Discovery publication New Delhi.
11. Sahu A.K.,(2010).*Marketing strategies in retail sector impact of marketing in India-A management look*,PP.38-60,Discovery publication'. New Delhi.
12. Sahu. A.K., (2010) *Women entrepreneurship: A role of women entrepreneurs for the sustainable development in Orissa*ISBN-978-81-8356-619-3,pp(36-90),Discovery publication, New Delhi.
13. Sahu A.K(2010) *Management of Financial market after globalisation management of financial services in Orissa-A look* pp(121-139)Discovery publication,New Delhi,
14. Sahu. A.K(2010) *Changing strategies in HRM after gloablisation*, pp(35-39)
15. Sahu.A.K. (2010) *Emerging Horizon in HRM in India*, pp (55-64), Wisdom publication New Delhi.
16. Sahu.A.K (2010)*Human Capital Management*, Discovery publication, New Delhi,
17. Sahu.A.K(2010).*Financial performance of steel sector*, Discovery publication, New Delhi,



18. Sahu.A.K (2010) Changing strategies in Human Capital management: performance appraisal system in Ire Ltd, Discovery publication, New Delhi.

**Dr. Arun Kumar Panda**

1. Biswal, S. K., Sreekumar, Panda, A. K. (2015). Evaluating Retail Store Image - An Empirical Study in India, *International Journal of Business Excellence*, published by Inder Science (Accepted for Publication).
2. Sahu, M. K. & Panda, A. K. (2015). Big Data Analytics: An Approach for Personalised Response to Customer Needs in the New Age Retailing<sup>#</sup>, In Roy, C. K. & Chaudhary, A. K. (Eds.), *Dynamics of Business, Economics and Entrepreneurship Development*, Dominant Publishers & Distributors Pvt Ltd, New Delhi, pp (65-76), ISBN 9789384161958.
3. Dash, M., Panda, A. K., Padhy, P. K. (2014). An Overview of Indian Telecom Sector: A Study on Liberalization and Reforms in Telecom Sector, *Acme International Journal of Multidisciplinary Research*, II(IV), Section II, ISSN: 2320-236X
4. Sahu, M. K. & Panda, A. K. (2014). Contemporary Status and SWOT Analysis of India's Investment Climate for Foreign Direct Investment (FDI), In Chaudhury, S. K. & Sarkar, S. (Ed.), *Foreign Direct Investment Indian Perspective*. S. K. Book Agency, New Delhi. (pp 20-47). ISBN 9789383158324.
5. Behera, B. P., Dash, R. R., Panda, A. K. (2013), Evaluation of Minimum Makespan using Modified Evolutionary Algorithm, *Journal of Engineering Innovation And Research*, IV(I), 23-30, ISSN 2230- 9373.
6. Panda, A. K., & Sahu, M. K. (2013). Foreign Direct Investment (FDI) in Indian Retail Trade : An Overview. *International Research Journal of Management Science & Technology (IRJMST)*, 4(1), 194-212. ISSN 2250 - 1959 (online) ISSN 2348 - 9367 (Print) Available Online at (<http://www.irjmst.com/volumedetails.aspx?vol=4&issue=1#>)
7. Dash, S. K. & Panda, A. K. (2012). Service Quality Measurement and its evaluation of leading Private Banks of India in Delhi and NCR Region: An Analytical study. In (Ed.) *Contemporary Environment & Winning Strategies in Marketing*. Wisdom Publications, New Delhi. (pp 19-30). (ISBN: 9789381505434)
8. Bandopadhyay, B., Panda, A. K. & Mohapatra, A. K. (2012). Application of Business Intelligence in Constructing the Lead Strategy for Strategic Marketing of Agrochemicals in Eastern India: An ISM Approach. *Facets of Business Excellence, Macmillan Advanced Research Series* (ISBN: 9789350590294), MACMILLAN Publishers INDIA LTD.
9. Dash, S. K. and Panda, A. K. (2012). *Relationship Marketing- A Study on Customers' Perception of Service Quality in Selected Indian Banks*. New Delhi: Serial Publications. (ISBN: 9788183875202).
10. Dash, S. K., Panda, A. K. and Rath, P. K. (2011). *Operations Research*. New Delhi: Wisdom Publications. (ISBN: 9789381505007).
11. Dash, S. K. & Panda, A. K. (2011). Managing Customer Relationships in Private Healthcare Facilities- A Study with reference to Greater Noida City of Uttar Pradesh. *Serbian Journal of Management*, 6(1), 27-42 (ISSN-1452-4864)
12. Dash, S. K., Panda, A. K. & Rath, P. K. (2011). An investigation of reasons affecting customer adoption and rejection of technology based self service (TBSS) on consumer satisfaction and consumer commitment. *BVIMR Management Edge, Journal of Bharati Vidyapeeth Deemed University*, Institute of Management & Research, 4(2), 100-104.
13. Biswal, S. K., Sreekumar & Panda, A. K., (2011). Analyzing the Factors Influencing Store Image from Customer's Perspective-An Empirical Study in India. *Asian Journal of Business Management Studies*, 2(3), 144-154
14. Dash, S. K. & Panda, A. K. (2010). CRM and Customer-centric Knowledge Management-A case study on Logistic and Retail sector at Uttar Pradesh and NCR. *WIM Journal of Management*, 1(2), 15-28. (ISSN- 0975-5063).

**Dr. Susant Kumar Baral**

1. Baral, SK. (2015), "Long-run Performance of Initial Public Offerings in India" in RP Pradhan (Ed.) *Frontiers of Infrastructure Finance: Issues and Challenges*, (pp. 61-75 )Bloomsbury Publishing India Pvt. Ltd, New Delhi, ISBN: 978-93-84898-88-5.
2. Baral, SK. (2011), "Is Indian Capital Market Fair and Efficient?" in RP Pradhan (Ed.), *Infrastructure Finance: Issues and Challenges* (pp. 398-412) Macmillan Publishers India Ltd, New Delhi, ISBN 13: 978-0230-33215-7.

**Dr. NiharRanjan Mishra**

1. Mishra,S, Mishra,S.P, Misra.N&Panda.J, Mishra.U(2014),"An Inventory Management for deteriorating items with salvage value under time varying demand Condition", *American Journal of Applied Mathematics & Statistics* ,Vol.2,No-3,pp.115-122, ISSN -2328-7306( Print), 2328-7292(online).
2. Panigrahi,D, Chaudhury, S.K and Misra, N (2013),"An empirical study of Shoppers Behaviour towards Retailing", *Journal of Business Management, Commerce & Research* ,Vol.II,No-5, September-2013 issue,pp.61-71 , ISSN -2319-250X.
3. Mishra,S, Mishra,S.P, Misra.N&Panda.J(2013),"An Inventory Model for deteriorating items under time varying demand condition", *International Journal of Management & IT* ,Vol.8,No-1,December, 2013 issue ,pp.1272-1278, ISSN -2278-5612.
4. Mishra,S, Mishra,S.P, Misra.N&Panda.J(2013),"An Inventory Model for Weibull deteriorating items with price Dependent demand Rate", *Indian Journal of Mathematics Research* ,Vol.1,No-1,December, 2013 issue, pp.115-122, ISSN -2278-5612.

**Dr.Suman Kalyan Chaudhury**

1. Panigrahi,A.K and Chaudhury,S.K, (2015), Negative Working Capital- Sign of Managerial efficiency or Possible Bankruptcy: A Case Study of HUL, *Journal of Management Research and Analysis*, Vol.2,Issue-1,pp.35-41.
2. Chaudhury,S.K, and Pathi.S.N (2015), , Working Capital Management in Aluminium Sector: A Case study of NALCO, *International Journal of Innovative Research and Practices* ,Vol.3, No-1, pp.100-112.
3. Chaudhury.S.K (2015) Women education in India: Challenges and Progress ed. By Rahman M.A &Sarkar .S published by Kalpaz Publications, Dariyaganj, New Delhi, pp.261-271, ISBN-978-93-5128-090-3.
4. Misra.D.P&Chaudhury.S.K (2015) Corporate Governance in new Millennium: A special reference to banking sector ed. By T.RamaDevi published by SiddhardhaMahilaKalasala, Vijayawada, AP, pp.15-23, ISBN-978-2-12-345680-3.
5. Chaudhury.S.K&Das.S.K (2015) Integrating CSR with Corporate Business Strategy for Corporate value creation, communication and Delivery: A Study on selected Indian Companies Ed. By D.K.Goutam&others published by Samjhana Publication Pvt. Ltd, Nepal, pp.300-323, ISBN-978-9-937-29-374-7.
6. Sarkar.S, Chaudhury,S.K and Misra.D.P(Ed) (2015) Economic Reforms and Growth in India published by S.K.Book Agency, Daryaganj, New Delhi.
7. Chaudhury,S.K,Sarkar.S, and Das S.K (Ed) (2015) Indian financial Reforms published by AVON Publications, Daryaganj, New Delhi
8. Chaudhury,S.K,Sarkar.S, (Ed) (2015) Impact of Globalisation on Indian Economy published by AVON Publications, Daryaganj, New Delhi.
9. Chaudhury, S.K, and Das,S.K (2014), Responsible Factors to Alleviate Stress Among the Top Level Executives in Odisha, *International Journal of Arts and Commerce*, Vol-3, No-2,pp.81-97.(UK).
10. Chaudhury, S.K, and Patnaik C. S (2014), Triple Bottom Line & Corporate Social Responsibility: A Study at NALCO, *International Research Journal of Social Science Management*, Vol-3, No-11, March 2014, pp.191-199. (Singapore).

11. Chaudhury, S.K, and Patnaik C. S (2014), Investors preference towards Mutual Funds- A Study on Silk City Securities at Berhampur Town-Odisha, *Asia Pacific Journal of Research*, India, Vol-I, Issue-XII, April 2014,pp.187-201.(India).
12. Panda, M, Chaudhury,S.K,& Das, S.K (2014), , Correlation Between FDI & Indian Stock Market, *International Journal of Research in Management & Social Science* , Vol-2, Issue-3(II), pp.95-101.
13. Chaudhury,S.K ,Pradhan,S.K& Dash, S.S(2014), MFIs and their Impact on Capacity building of SHGs Members , *Srusti Management Review*, Jan-June issue , Vol.VII,Issue-I,pp.43-51 .
14. Das ,S.K , Chaudhury, S.K &Pradhan S.K & (2014) , Business of being in Business: New Perspectives ,Business of being in Business- Organized and Unorganized Retail: A Comparative study based on customer perception, in (ed.) , pp.100-110,Excell Books, New Delhi, ISBN -978-93-82563-62-4.
15. Chaudhury, S.K and Tarai,R.K (2014) Microfinance and Inclusive Growth in India by SSDN Publishers & distributors ,Daryanhanj ,New Delhi.,
16. Sarkar, S and Chaudhury, S.K (2014) Textbook of Environmental Science by APH Publishing Corporation, Daryanhanj ,New Delhi.
17. Chaudhury,S.K, Sarkar.S and Panigrahi.A.K(Ed) (2014) Foreign Direct Investment (FDI) published by AVON Publications, Daryaganj, New Delhi.
18. Chaudhury,S.K and Sarkar.S(Ed) (2014) Foreign Direct Investment Indian Perspective published by S.K.Book Agency, Daryaganj, New Delhi.
19. Chaudhury,S.K and Sarkar.S(Ed) (2014) Rural Development Challenges and progress published by S.K.Book Agency, Daryaganj, New Delhi.
20. Chaudhury,S.K, Misra.D.P (2014), CSR as Strategic Initiative: An explorative study of NALCO, *Management Trends*, Vol.11,No.1&2,pp.31-41.
21. Das, S.K and Chaudhury, S.K (2013), Quality, Sustainability & Performance of Self Help Groups in the North east India: An empirical study of Assam, *International Journal of Business and Management*, No., pp.32-39. (Singapore).
22. Chaudhury,S.K (Ed) (2013) Women Empowerment through Entrepreneurs in India published by Avon Publishing House Pvt. Ltd, Daryaganj, New Delhi.
23. Chaudhury,S.K (Ed) (2013) Micro, Small and Medium enterprises in India published by Avon Publishing House Pvt. Ltd, Daryaganj, New Delhi.
24. Chaudhury,S.K (Ed) (2013) Empowering Rural Women Entrepreneurs in India published by S.K.Book Agency, Daryaganj, New Delhi.
25. Chaudhury,S.K & Ahmad,R (2013), Agri Business & Rural Management, Special Economic Zone: Policies for Success, ed. By Rais Ahmad, Mittal Publications, New Delhi, pp.1551-1558, ISBN-81-8324-398-3.
26. Chaudhury,S.K (2013), Indian Banking System, Customer Relationship Management Impact on Banking Competitiveness , ed. By Rais Ahmad, Mittal Publications, New Delhi, pp.917-924, ISBN-81-8324-434-3.
27. Chaudhury,S.K & Sarkar S (2013), Agricultural Production in India : Trends and Progress, Agrarian Economy in India its Challenges and Government Initiative. By Sarkar S &Others, Manglam Publishers & Distributors, Delhi, ISBN NO-978-93-82816-02-7.
28. Chaudhury,S.K and Das,S.K(2013), Micro finance: An Alternative Strategy of Financial inclusion, *Management Page*, Vol.-IV, Issue-I, Sept-2013,pp.31-42.
29. Rathod, V.G and Chaudhury, S.K. (2013), Indian Financial Reforms & E-Payment system to Banking Sector, *Indian Journal of Scholarly Research*, Vol-2, Issue-7, July-2013, pp.33-38.
30. Chaudhury, S.K and Pattnaik, S.K. (2013), Emerging trends of FDI and Intra sector Impact: An Empirical Evidence from India, *Management Guru: Journal of Management Research*, Vol-1, Issue-4, pp.13-22.



31. Chaudhury,S.K , Misra ,D.P & Das, S.K(2013), Corporate Governance : A study of Indian Banking Sector , *Asian Journal of Management*, Oct-Dec issue , Vol.4,No.3,pp.260-268 .
32. Pradhan,S.K and Chaudhury, S.K(2012), A survey on employee performance Management and its implication to their retention in OCL India Ltd, *Asian Research Consortium*, Vol.II, No.IV, pp.87-93.
33. Chaudhury, S.K, Das, S.K and Mishra,D.P (2012), Corporate Governance practices in Selected Indian Financial Institutions, *European Journal of Business & Economics*, ISSN-1804-5839.
34. Das,S.K and Chaudhury, S.K (2012), An insight into Financial Performance of Indian Automobile Industry Special reference to Selected Companies, *ITIHAS, The Journal of Indian Management* , Vol.2,Issue-4,Oct – Dec 2012 issue ,pp.7-12 .
35. Chaudhury,S.K,Nayak, S.S and Panigrahi,R.L(Ed) (2012)Micro Finance and Rural Women Entrepreneurship in India published by SSDN Publishers & Distributors,Daryaganj,New Delhi.
36. Chaudhury,S.K (Ed) (2012) Corporate Performance and Governance published by Discovery Publishing House Pvt.Ltd,Daryaganj,New Delhi.
37. Chaudhury,S.K (Ed) (2012) Corporate Governance :Issues and Challenges published by Discovery Publishing House Pvt.Ltd,Daryaganj,New Delhi.
38. Chaudhury,S.K (Ed) (2012) Problems and Prospects of Women Entrepreneurship published by Discovery Publishing House Pvt.Ltd, Daryaganj, New Delhi.
39. Chaudhury,S.K (Ed) (2012) Empowering Women Through Microfinance published by Discovery Publishing House Pvt.Ltd, Daryaganj, New Delhi.
40. Chaudhury,S.K (Ed) (2012) Role of Women Entrepreneurship in Social Development published by Discovery Publishing House Pvt.Ltd, Daryaganj, New Delhi.
41. Chaudhury,S.K (Ed) (2012) Corporate Governance and Sustainability published by Discovery Publishing House Pvt.Ltd, Daryaganj, New Delhi.
42. Chaudhury,S.K (Ed) (2012) Rural Microfinance and Micro Enterprise published by Discovery Publishing House Pvt.Ltd, Daryaganj, New Delhi.
43. Chaudhury,S.K (Ed) (2012) International Financial Reporting Standards :Its Worldwide Adoptability published by Discovery Publishing House Pvt.Ltd, Daryaganj, New Delhi.
44. Panigrahi,A.K & Chaudhury,S.K (2012), Corporate Governance: Issues and Challenges in Indian Corporate World, (Ed.) By Chaudhury, S.K, Discovery Publishing House ,New Delhi.
45. Sahoo, S &Chaudhury,S.K (2012), Corporate Disclosure: Need for Transparency, IFRS: Its Worldwide Adoptability,. In Chaudhury, S.K,(ed) Discovery Publishing House ,New Delhi.
46. Chaudhury,S.K(2012), Micro-financial Institutions in India :How to make them Sustainable?, Empowering Women Through Microfinance , ed. By Chaudhury,S.K, Discovery Publishing House ,New Delhi, ISBN -978-93-5056-058-7.
47. Chaudhury, S.K, Das,S.K and Sahu,P.K(2011), Practices of Corporate Social Responsibility( CSR) in Banking sector in India: An assessment, *Research Journal of Economics Business and ICT*, Vol.-4,pp.( London,UK).
48. Chaudhury,S.K and Das,S.K(2011), A Study of State Co-operative Banking System in the North Eastern Region of India, *International Journal of Consumerism*, Vol.,No.,pp.32-39.
49. Chaudhury ,S.K ,Mohapatra,P.C and Swain ,K.R (2011) ,Global Thrust on SMEs : Ensuring Competitive Advantage in Nayak,S.K and Sahu,A(Ed.) by Discovery Publishers ,New Delhi
50. Chaudhury, S.K and Pattnaik,S.K(2011), Measurement of Risk & Return on equity : Empirical evidence from Paints and Pigments Industry, *ACRM Journal of Business & Management Research* ,Vol.6,No.1,pp.30-35.
51. Chaudhury,S.K and Pattnaik,S.K(2011),Equity Financing in India: An empirical Analysis of Chemical Industries, *CAMS Journal of Business Studies* Vol.2,No.2, pp.44-58 .

52. Pattnaik, S.K and Chaudhury, S.K (2011), Taxation of Non-profit Organisations in India in changing scenario: A Reform Experience, *Asian Journal of Management*, Vol.2, No.3, pp.141-146.
53. A.Suryanarayana and Chaudhury, S.K (2011), Environment Planning and Management, *Management Trends*, Vol.8, No.2, pp.33-44.
54. Chaudhury, S.K (2010), "Environment Management: Sustainable Competitive Advantages" in PatraLingaraj( ed.) 2010 Aquatic Biodiversit., pp. 142-154.
55. Chaudhury, S.K, Patra, M, Panda A K (2010), Ecosystem management: Issues & Trends" in PatraLingaraj (ed.) 2010. Aquatic Biodiversity, pp. 168-180.
56. Chaudhury, S.K (2010) SME: An Indian Perspective. vol. XIII, "The ICFAI Reader", Issue -2 pp.38-43.
57. Chaudhury, S.K (2010), IFRS: Its Adoptability in Worldwide, *The Accounting World*, Vol.X, issue-II , pp.20-25.
58. Chaudhury, S.K. (2010), Globalization and Small & Medium Enterprises, *ICFAI Reader*, Vol.XIII, Issue -3, pp.11-15.
59. Chaudhury, S.K. (2010), Corporate Governance in India, *Indian Management Research Journal*, Pune, Vol.II, Issue-01, pp.19-26.
60. Chaudhury, S.K. (2010), Corporate Disclosure Policies in India : An Empirical study of Accounting Standard 1-12, *Indian Management Research Journal*, Pune, Vol.II, Issue-02, pp.22-27.

#### **Dr. Sunil Kumar Pradhan**

1. Samal R., Pradhan, S.K., (2015). *Extended SERVQUAL Attributes, Customer Satisfaction and Loyalty: A relationship study of Public Sector Banks in Odisha*. *Asian Journal of Management*, 6(3): 159-163.
2. Chaudhury, S.K, Pradhan, S.K., Acharya, P.K. (2014). *An Empirical Investigation on Viability of MFIs in Economic Development*, *International Journal of Exclusive Management Research*, Archeors & Elevators, Bangalore, 4(4),
3. Tripathy S., Pradhan, S.K., Pathi S.N., (2014). *Emotional Intelligence of Employees and its implication on Banking Service*, *International Journal of Exclusive Management Research*, Archeors & Elevators, Bangalore, 4(5).
4. Samal R., Pradhan, S.K., (2014). *Service Quality, Customer Satisfaction and Loyalty: An Empirical Analysis of Public Sector Banks in Bhubaneswar*, *SIDDHANT: A Journal of decision making*, Indian Journals, New Delhi Siddhant, 14(2),
5. Chaudhury, S.K, Pradhan, S.K., (2014) *MFIs and their impact on capacity building of SHGs members*, *Srusti Management Review*, 7(1).
6. Das, S.K, Chaudhury, S.K & Pradhan S.K & (2014). *Business of being in business-Organised and Unorganised Retail- A comparative Study based on customer perception*, Excel Books, New Delhi. , 100-110.
7. Pradhan, S.K., Pathi, S.N. (2013). *Behaviour of the Consumer towards Durable Products*, SSDN Publishers & Distributors, New Delhi.
8. Pradhan, S.K., Chaudhury, S.K. (2012). *A survey on employee performance management and its implication to their retention in OCL Ltd.*, *Asian Journal of Research in Social Sciences and Humanities*, Indian Journals, New Delhi, 4, 87-91.
9. Pradhan, S.K., Chaudhury, S.K. (2012). *Attitude of customers towards mobile service providers- A study on Kolkata City*. *Asian Journal of Management*, A&V Publications, Raipur, 3, 27-12.
10. Pradhan, S.K., Chaudhury, S.K. (2012). *An empirical study on employee satisfaction in BPO companies in Odisha*, *Samiksha*, Bi-annual Journal UIM, Allahabad, 3(1), 80-85.
11. Pradhan, S.K, Chaudhury, S.K. (2011). *Impact of economic Slowdown on Indian Insurance Industry*, *ANVESA*, 6(1&2), 157-162.

Department of Commerce

### BRIEF PROFILE OF THE DEPARTMENT OF COMMERCE

1	Name of the Department	: <b>Commerce</b>																		
2	Year of Establishment	:1976																		
3	Course/Programmes and subject combinations offered	: M.Com, MFC, MBA (Financial Management), M.Phil, Ph. D Programmes																		
4	Number of teaching posts Sanctioned Filled	:Sanctioned: Professor-1, Reader-3, Lecturer-6 Filled: CAS Prof-4, Reader CAS-1 Total=5																		
5	Number of Technical Staff present	:No																		
6	Number of students (Men/Women) Give Details Course Wise	:P.G.: Part-I M-22 ,F-28 Total=50 & Part-II M-24, F-20 Total=44 MFC: M-12, F-10 Total=22, M.Phil : M-4, F-4 Total=8																		
7	Ratio of Teacher to Students	: 1:20 (excluding MFC)																		
8	Ratio of Teachers to Research Scholars	:																		
9	Number of Teachers Scholars who have obtained their master's degree from other institution:	: 02																		
10	Number of Teachers in Academic Bodies of other Autonomous Colleges and University	:05																		
11	Latest revision of the curriculum (year)	:2015																		
12	Number of student passed in NET/SLET etc. (last 5 years)	:02 UGC NET																		
13	Success Rate of Students	:100 %																		
14	Demand Ratio ( No. of application)	:383 application received 2015-16 in M. Com for 50 seats																		
15	Awards and recognition received by faculty (last 5 years)	:NIL																		
16	Faculty who have attended National/International Seminars (last 5 years) (number only)	:International : 9 , National : 28																		
17	Number of National Seminars Organize (last 5 years)	:04 (including one Workshop to be held on 26.08.2015																		
18	Number of Teachers engaged in consultancy and the revenue generated	:NIL																		
19	Number of ongoing projects and their total outlay	: Applied for one UGC Major Project																		
20	Research project completed during last five years & their Outlay	: NIL																		
21	Number of inventions and patents	: NIL																		
22	Number of Ph. D. theses guided during the last five years	: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></th> <th style="width: 20%; text-align: center;">Ph.D Guided</th> <th style="width: 20%; text-align: center;">Awarded</th> </tr> </thead> <tbody> <tr> <td>Prof. P.K. Biswasroy</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Prof. P.C. Misra</td> <td style="text-align: center;">7</td> <td style="text-align: center;">4</td> </tr> <tr> <td>Prof. A. K. Mohanty</td> <td style="text-align: center;">5</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Prof. R. P. Mohapatra</td> <td style="text-align: center;">4</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Dr. G. S. Lall</td> <td style="text-align: center;">4</td> <td style="text-align: center;">1</td> </tr> </tbody> </table>		Ph.D Guided	Awarded	Prof. P.K. Biswasroy	1	1	Prof. P.C. Misra	7	4	Prof. A. K. Mohanty	5	2	Prof. R. P. Mohapatra	4	1	Dr. G. S. Lall	4	1
	Ph.D Guided	Awarded																		
Prof. P.K. Biswasroy	1	1																		
Prof. P.C. Misra	7	4																		
Prof. A. K. Mohanty	5	2																		
Prof. R. P. Mohapatra	4	1																		
Dr. G. S. Lall	4	1																		
23	Publication by faculty (last 5 years)	: 43																		
24	Average citation index and impact factor of publication	: NA																		
25	Number of Books in the Department library, if any	: 2533																		
26	Number of Journals / Periodicals in the department of library	: NIL																		
27	Number of Computers in the department	: 09																		
28	Annual Budget (Excluding Salary) In Rupees	: Equipment : Rs. 10,000/- Other Contingency : Rs. 5,000/-																		

### Evaluative Report of the Department

1. Name of the Department : **Commerce**
2. Year of establishment : 1976
3. Is the Department part of a School/Faculty of the university? Faculty of Business Studies and Management.
4. Names of programmes offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.):  
M. Com, M. Phil., Ph.D., D. Litt., MFC {currently renamed as MBA (Financial Management)}
5. Interdisciplinary programmes and departments involved : Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : No
7. Details of programmes discontinued, if any, with reasons : No
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System:  
: Choice Based Credit System introduce from 2015-16.
9. Participation of the department in the courses offered by other departments:  
Board of Studies member:
  - Rural Management
  - Statistics
  - Business Administration.
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others):

Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	Nil	01 open Rtd. & 03+02 CAS Rtd.
Associate Professor/ Reader	03	02	01 CAS
Assistant Professor/ Lecturer	04	Nil	Nil
Others			Nil

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D/ M.Phil students guide for the last 5 years
Prof. P.K. Biswasroy	M.Com. LL.B, Ph.D.	Professor	Corporate Financial Accounting, Institutional Finance and Corporate Restructuring	34	01
Prof. P.C. Misra,	M.Com. M.Phil., Ph.D..	Professor	Banking, Small Industry Management, Institutional Finance, Management	28	05

			Information System		
Prof. A.K. Mohanty,	M.Com., Ph.D.	Professor	Banking & Finance, Marketing and Technology Transfer	31	-
Prof. R.P. Mahapatra	M.Com., M.Phil., Ph.D.	Professor	Finance, Banking, Capital Market and Dividend Policy	31	02
Dr. G.S. Lall ,	M.Com., M.Phil., Ph.D.	Reader	Finance, Institutional Finance, Market Research	19	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

**Visiting Fellows:**

- Prof. S. Banarjee, University of Calcutta
- Prof. Malabika Deo, Pondicherry Central University

**Adjunct Faculty:**

- Prof. Bhabani Prasad Panda, Dept. of Law, BU, Presently the Vice-Chancellor of National Law University, Maharashtra
- Prof. S.K. Behera, J&MC, BU
- Prof. D. Panigrahi, BA, BU
- Prof. B. Patro, Economics, BU
- Prof. B. P. Rath, IR&PM, BU
- Prof. M. R. Patro, Computer Science, BU

13. Percentage of classes taken by temporary faculty- programme-wise information: NA

14. Programme-wise Student Teacher Ratio:

- M. Com. Part I & Part II- 16:1; M.Phil.-1:1; MFC- 3:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: NA

16. Research thrust areas as recognized by major funding agencies: No

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

One major project of UGC applied and the Project Title: "A Study on the Promotional Strategy of Mobile Phone Service Providers with special reference to the selected cities of Odisha".

18. Inter-institutional collaborative projects and associated grants received : No

a) National collaboration : NIL      b) International collaboration : NIL

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : NIL

20. Research facility / center with :

- a. State recognition :√
- b. National recognition :√
- c. International recognition :

21. Special research laboratories sponsored by / created by industry or corporate bodies: No

22. Publications:

Number of papers published in peer reviewed journals (national / international): 30

- Monographs: : NIL
- Chapters in Books : NIL
- Edited Books: : 09
- Books with ISBN with details of publishers : 03

#### **Professor Prakash Chandra Misra**

1. Rath P.K. , Misra P.C. and Misra B.B, 2013 Menace of Non-Performing Assets in Banks, 2013, Serials Publications, 4830/24, Ansari Road New Delhi-110 002
2. Misra P.C. and Sahu N. C ,2012, Tourism as an engine of sustainable development in Orissa, NOVA science publishers Inc, USA
3. Sahu N. C and Misra P.C., 2012, Corporate Sustainability- Some Indian Case Studies, Uranus Green Publication, Kolkotta
4. Misra P.C. and Sahu N.C.,2013 , Managing Knowledge for Organizational Development, Regal Publications, New Delhi

#### **Professor Ashok Kumar Mohanty**

1. Mohapatra, D.M. and Mohanty, A. K., 2014, Developing SMEs in India Study of SIDBI in the post Reform Era., 2014, Global Research Publication New Delhi.
2. Das, S. and Mohanty, A. K., 2014, “Corporate social responsibility and development in Indian scenario, Glimpses of Management Challenges, SSB Publisher, Andhra Pradesh.
3. Das, S. and Mohanty, A. K., 2014, “Corporate sustainability reporting practices in India: Financial Reporting & Tax Planning, 2014 MP Arts & M.H. Commerce College for Woman, Ahmadabad.
4. Mohapatra, D.M. and Mohanty, A. K., ,2012, Tourism as an engine of sustainable development in Orissa, NOVA Science Publishers Inc, USA
5. Mohapatra, D.M. and Mohanty, A. K., , 2012, Corporate Sustainability- Some Indian Case Studies, Uranus Green Publication, Kolkotta
6. Sahoo, L., and Mohanty A. K., 2013, Managing knowledge for organizational development, Regal Publications, F-159 Rajouri Garden, Ansari Road, New Delhi-110 002

#### **Dr. Gouri Sankar Lall**

1. Lall, G.S.(2011). Business Economics – (Text and Cases). Bhubaneswar: Lakhmi Prakashans.
2. Acharya,S.C., & Jena, B.M., & Lall, G.S.(2014). Fundamentals of Entrepreneurship. Cuttack: Nano Publishing House

Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) - Yes

- Citation Index – range / average :
- SNIP
- SJR



- Impact Factor – range / average
- h-index

23. Details of patents and income generated : NIL

24. Areas of consultancy and income generated:

- Providing Informal Consultancy on Taxation stock Market investment & preparation on startup business at free of cost.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad :

<b>Prof. Prakash Chandra Misra</b>		
<b>Year</b>	<b>Name of the Subject</b>	<b>Country and Date</b>
2010	IIDS- IIMS International Conference on Development , Presented a paper & Chaired a technical Panel in the Conference.	Bankok , Thailand from 13 <sup>th</sup> to 18 <sup>th</sup> December- 2010
2011	II nd IIMS International Conference on Human Capital: Perspectives in Development. Presented a paper and Chaired the Panel B Session on Management	Penang, Malaysia 9 <sup>th</sup> to 11 <sup>th</sup> November 2011

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (please specify):

- Prof. P. K. Biswasroy, NAAC
- Prof. P.C. Misra, Editorial Board of Book (03), Editor Journal BURJ
- Prof. A. K. Mohanty, Editorial Book (01)
- Prof. R. P. Mohapatra, Editorial Book Screening Committee Member, Member Editorial Board of Journals (03)
- Dr. G. S. Lall, Editorial Journal (Advisor) 01

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs): No

28. Student projects:

- percentage of students who have done in-house projects including inter-departmental projects: 100 % in M. Com and MFC
- percentage of students doing projects in collaboration with other universities industry / institute: 100 % in MFC

29. Awards / recognitions received at the national and international level by:

a. Faculty

Prof. P. K. Biswasroy

- Visited NAAC Peer Team, of NAAC, Bangalore as a member Coordinator and Chairman to a good number of Higher Education Institutes of the country in the state of Maharashtra, Goa, Gujrat, Tamilnadu, Andhra Pradesh, Tripura and Himanchal Pradesh.
- Elected President of All Orissa Commerce Association, 2011-2012

b. Doctoral / post doctoral fellows

c. Students



30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any:

Sl. No.	Date	Title of the Seminar/Conference/Workshop	No. of participants	Source of Funding
1	04.12.2010	Workshop Cum Interactive Session Dimensions of India Stock Market Challenges & Opportunities	123	Development Fees of MFC Course
2	Feb19-20, 2011	31 <sup>st</sup> All Orissa Commerce Conference	220	UGC Funding and Development Fees of MFC Course
3	27.07.2014	Workshop on Financial Inclusion: A Road Ahead	78	Development Fees of MFC Course
4	26.08.2015	Workshop on Spiritualism in Higher Education	150	Development Fees of MFC Course

31. Code of ethics for research followed by the departments: Is being developed  
32. Student profile programme-wise: 2014-15

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M. Com	335	24	20	95	100
M.F.C	45	08	11	87	100
M. Phil	32	4	4	100	100

33. Diversity of students:

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M. Com.	60	40	NIL	NIL
MFC	60	40	NIL	NIL
M. Phil	80	20	NIL	NIL
Ph. D	50	50	NIL	NIL

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- NET-3students. Name: 1. Mr. PradiptaRathi Panda, 2. Mr. Pabitra Kumar Maharana& 3. Miss. Lipsa Das.

## 35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	In the Year 2011-100, 2012-82, 2013-50, 2014-40,
PG to Ph.D.	30 percent
Ph.D. to Post-Doctoral	NIL
Employed:	
Campus selection	5 Persons
Other than campus recruitment	50 percent
Entrepreneurs	20 percent

## 36. Diversity of staff

Percentage of faculty who are graduates	
Of the same University	100 percent
From other University within the State	NIL
From University from other State	NIL
Universities outside the country	NIL

37. Number of faculty who were awarded M. Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: NIL

38. Present details of departmental infrastructural facilities with regard to

- Library : Functional
- Internet facilities for staff and students : From 2010 to September 2013
- Total number of class rooms : 04
- Class rooms with ICT facility : 02
- Students' laboratories : 01
- Research laboratories : NA

39. List of doctoral, post-doctoral students and Research Associates

a. from the host institution/university - from the host institution:

Prof. A. K. Mohanty

- Laxmidhar Sahoo-Awarded
- Girija Prasad Das-Awarded
- Santanu Kumar Das-Working
- Srikanta Kumar Panda-Working
- Santosh Kumar Subudhi-Working

Prof. Prakash Chandra Misra

- Debadutta Kumar Panda-Awarded
- Prafulla Kumar Rath-Awarded
- Aruna Kumar Panda-Awarded
- Anjali Patra-Awarded
- Sameer kumar Pradhan-Working
- Trilochan Mohapatra-Working
- Basanta Kumar Sahoo-Working
- Dr Sandip Kar-Working (D.Litt)

Prof Rudra Prasanna Mohapatra

- A.P. Mahapatra-Working
- P.N. Acharya-Working
- Dr. K. Srinivasan-Working (D.Litt)

Prof. Prasanna Kumar Biswasroy

- Mrs. Sabitri Sahoo-Awarded

Dr. G. S. Lall

- Pinkirani Dei-Awarded
- Manoj Kumar Das-Working
- Subhramaya Nayak-Working
- Prasad Rao Acharya-Working

b. from other institutions/universities : NIL

40. Number of post graduate students getting financial assistance from the university:

- **Yes**, Financial Assistance is centralized by the PG Council.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

- The assessment exercised is undertaken by convening the staff council before the development of new preference

42. Does the department obtain feedback from

- i. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Initiated
- ii. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Initiated
- iii. Alumni and employers on the programmes offered and how does the department utilize the feedback?
  - In Consultation with the Alumni who are well placed in the corporate world, the course curriculum of the department (M. Com, MFC, MBA (Financial Management)) is designed from time to time to make it technology savvy and job oriented.

43. List the distinguished alumni of the department (maximum 10):

- Prof. MalabikaDeo, Professor Pondicherry University
- Sri Prasanta Kumar Das, LIC
- Mr. NiharRanjan Panda , Manager, Axis Bank
- Mr. Manoj Kumar Padhy, Director, Ajanta Packages, Mumbai
- Mr. Pradeep Kumar Panda, Executive Accountant, Tata Tele Communication
- Mr. Sisira Kumar Gouda, Accountant, SOUTHCO
- Mr. T. TejeswarRao, Former Employee SBI
- Mr. Prakash Chandra Tripathy, Manager, MMTC
- Ms. SupravaPani, Regional Manager, GIC
- MsSasmita Rani Samanta, Registrar, KIIT University

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

Year	Name of the External Experts	Organisation/ Institute	Topic	Date of the Programme
2010	Sri R.K Das, Tech. Director, Scientist-E	NIC-BAM	Computer Application (G 2 B)	27.08.2010
	Prof. Dibakar Panigrahy	Dept. Of Business Administration, BU	Stress Management	18.09.2010
	Prof. Bhagabat Patro	Dept. Of Economics, BU	Dimension of Budgetary Policy of India.	13.11.2010
2011	Sri NiharRanjan Panda, Sr. Manager	Axis Bank, Operation Head	Recent Development in Banking Sector	10.09.2011
	Miss SagarikaSahu	Angel Broking Firm, Vapi, Gujrat	Campus to Corporate	06.04.2011
	Dr.Manmath K. Nayak, Dr.Akshya K. Jena, Mr.NiranjanPanigrahi	Arya School of Management ,BBSR	Career Prospects Dual Degree Concept	16.11.2011
	Mr.Madhu Sudan Padhy, Vice President Operational	Seven Hill Groups of Company. Mumbai	Business Studies-Health Care Sector: A Corrective approach	02.12.2011
2012	Sri Siba Pr. Sahu, Director	Commerce Zone, Rayagada	Soft Skill Development	15.02.2012
	Prof. Bhabani Pr. Panda	Dept. of Law, BU	Criminal Justice System of India	16.02.2012
	Sri Siba Pr. Sahu, Director	Commerce Zone, Rayagada	Soft Skill Development	27 to 29 Feb, 2012
	Sri Siba Pr. Sahu, Director	Commerce Zone, Rayagada	Soft Skill Development	28.03.2012 to 31.03.2012
	Sri Siba Pr. Sahu, Director	Commerce Zone, Rayagada	Soft Skill Development	05 to 06 Oct., 2012
	Mr.Bipin B. Dutta	Secretary BBSR Stock Exchange	Selected Issues on Stock Market Operation.	13.10.2012
2013	Sri Siba Pr. Sahu, Director	Commerce Zone, Rayagada	Soft Skill and Communicative English	27.2.2013 to 2.3.2013
	Dr. G. K. Pradhan, Addl. Director & CH	PCRA Indian Oil	On Energy Conservation &Awareneses	18-21 January 2013
2014	Dr. K. Srinivasan	Asst. Professor, Christ University, Bangalore	Stock Market Operation: An Over View	16.07.2014
	Mr. A.P. Mohapatra	UGC Teacher Fellow, Berhampur, University	Stock Market Operations: Mechanics of Stock Trading	6.9.2014
	Mr.Pradipta Rathi Panda	Research Scholar, Indian Institute of Capital Market, Mumbai	Risk- Return analysis	7.3.2014

45. List the teaching methods adopted by the faculty for different programmes.
- ICT enabled & Traditional Teaching Method
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?:
- Student centric teaching, Counseling, Regular monitoring of learning out comes through interaction and Counseling, Mid-Sem, Class Test.
47. Highlight the participation of students and faculty in extension activities:

**Extension Activities:**

- Students participated in the Blood Donation Camps.
  - Participation of the students in the NSS activities of the University.
  - Active participation of the students in the SwachhaBhartaAvijan.
  - Students acted as volunteers for the smooth conduct of Central Zone Youth Festival, 2014.
  - Participation of students in Union and sister association activities.
48. Give details of “beyond syllabus scholarly activities” of the department :
- Prospects & Challenges, 11.2.2011
  - Union Budget 2011 Union Budget 2010 M. com, March 18,2010
  - Union Budget 2010 MFC, March19, 2010
  - Business Quiz, 21.4.2010
  - Globalization: Issue and Challenges, 25.9.2010
  - Entrepreneurship, 17.03.2011
  - Introduction to Seminar Presentation: An Orientation Program, 06.08.2011
  - Business Environment, 20.08.2011
  - Indian Capital Market Challenges & Opportunities, 27.08.2011
  - Prospects of MSME in Odisha, 11.02.2012
  - Union Budget 2012, 21.03.2012
  - Union Budget 2012, 22.03.2012
  - Business Environment in India, 22.09.2012
  - Union Budget 2013, 07.03.2013
  - Global Economic Slowdown & Its Effect on Indian Economy, 14.9.2013
  - MSME Sector in Indian Economy, 21.09.2013
  - Union Budget (Interim)- 2014, 21.03.2014
  - Union Budget 2014, 23.08.2014

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.: No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied :
- Organization of Seminar on Union Budget every year in the first week of March to adjudicate the best presenter.
  - Regular teaching exposure by inviting resource persons beyond the syllabus.
  - Felicitating an eminent person and eminent lady of South Odisha.
  - Feedback of students on seminar outcomes.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Strength**

- Great legacy and reputation
- Active & Disciplined Students Community
- Collective Sprit of functioning the Department
- Good Learning Environment
- Committed & Competent faculty
- Positive support of the management

**Weakness**

- Inadequate number of regular teaching faculty
- Lack of formal linkages with industry
- Inadequate /inter/multi disciplinary teaching of research activities
- Cyclone prone surrounding
- Inadequate campus placement

**Challenges**

- Preparing the students to meet global competition
- Retaining the rich heritage & reputation of the department
- Changing the mindsets of the students towards innovative approaches in teaching and research.
- Establishing linkages with Industry /institution for promoting teaching/ research/ field exposures for students and teachers.
- The Institution should develop further research strategies to offer regional research with special reference to tribal community.

**Opportunities**

- To be a Centre of Excellence.
- Offering some online training/ coaching on specific career areas like CS, ICWA, CA by networking with the professional agencies.
- Assistance of alumni for the overall development of the department.
- Applying for Major/ Minor research projects through different funding agency.
- Large scope for starting many community linked extension activities.

52. Future Plans of the Department:

- Establishment of collaborative research.
- Organization of entrepreneurship and skill development programme.
- E content preparation.
- Exploring the research potential of the faculty, provision of consultancy in revenue sharing mechanism.
- Organizing awareness programme on Financial Inclusion sponsored by national level institutions like SEBI, PCRA & Stock Exchange Mumbai etc.

**RESEARCH PUBLICATIONS (2010-2015)**  
**DEPARTMENT OF COMMERCE**

**Professor Rudra Prasanna Mahapatra**

1. Mahapatra R.P. and Biswasroy P.K., 2011 “Impact of Fundamental and Technical Factors On The Prices of Equity Shares In India: An Econometric Analysis” in Finance India, Vol-XXV No.4 December, PP 1259-1272.
2. Acharya P.N., Biswasroy P.K. and Mahapatra R.P. (2012) “Determinants of Corporate Dividend Policy: A Study of Sensex Included Companies” In India Journal Of Finance, Vol-6, No.-4 April, PP, 35-43.
3. Acharya P.N. and Mahapatra R.P. (2012) “Validity of Lintner’s Dividend Behaviour Model In Indian Banking Sector: An Empirical Analysis” in Management Insight, Vol-VIII, No.-1 June, PP 72-76.
4. Acharya P.N. and Mahapatra R.P. (2013), “Working Capital Management: A Case Study of NALCO” In Journal of Accounting and Finance, VOL-27, No-2, April-September, PP 35-44.
5. Mohapatra A.P. Acharya P.N. and Mahapatra R.P. (2013) “Determinants Of Share Prices Behaviour : A Detailed Review of Empirical Studies”, In India Journal Of Finance, VOL-7, No.11 November PP 38-50.
6. Srinivasan. K. and Mahapatra R.P., “Hedging or Speculation in Indian Derivative Markets: A Case of Banking Units” Accepted for publication in International Journal of Economic Prospective, VOL- 9, Issue-1, March 2016, Turkey.
7. Srinivasan. K. and Mahapatra R.P., “Repercussions of Global Turbulence and Market Volatility In Spot & Future Market: India Preparedness”. Accepted for Publication in Euroasian Journal of Business and Economics, Kyrgyzstan (Issue and volume not yet intimated).
8. Panda. B and Mahapatra R.P., “Equity Mutual Fund Performance Myth: A Study Of Five Indian Asset Management Company”, Accepted for publication in Vision- the Journal of Business Prospective MDI, Gurugaon, Delhi (Issue and volume not yet intimated).
9. Srinivasan K, B. Justin and Mahapatra R.P. (2014) “Momentum Strategy in Indian Stock Futures Market: A Case of Banking Sector”, in The 2<sup>nd</sup> IBEA International Conference On Business, Economics and Accounting, Hong Kong, 26-28 March.

**Professor Prasanna Kumar Biswasroy**

1. Mahapatra R.P. and Biswasroy P.K., 2011 “Impact of Fundamental and Technical Factors On The Prices of Equity Shares In India: An Econometric Analysis” in Finance India, Vol-XXV No.4 December, PP 1259-1272.
2. Acharya P.N., Biswasroy P.K. and Mahapatra R.P. (2012) “Determinants of Corporate Dividend Policy: A Study of Sensex Included Companies” In India Journal of Finance, Vol-6, No.-4 April, PP, 35-43.

**Professor Prakash Chandra Misra**

1. Rath P.K., Misra P.C. and Misra B.B, 2013 Menance of Non-Performing Assets in Banks, 2013, Serials Publications, 4830/24, Ansari Road New Delhi-110 002.
2. Misra P.C. and Sahu N.C., 2013, Managing Knowledge for Organizational Development, Regal Publications, New Delhi.
3. Misra P.C. and Sahu N. C ,2012, Tourism as an engine of sustainable development in Orissa, NOVA science publishers Inc, USA



4. Sahu N. C and Misra P.C., 2012, Corporate Sustainability- Some Indian Case Studies, Uranus Green Publication, Kolkotta
5. Misra P.C., and Panda A. K., 2010 "Is Corporate Audit Equipped Enough to have best corporate disclosure in State owned enterprise? A reality check in Indian Context. Vol. VII, Issue-1, Journal of International Management, Jan-June, FIIB, New Delhi.
6. Misra P.C and Sahu N. C. (2010) "Changing face of rural road infrastructure in Orissa, Modern Management, January 2010, PP, 24-30.
7. Misra P.C. and Panda A. K. (2011), "Status of working Capital & its relationship with sales: An empirical investigation on AP paper Mills Ltd, Modern Management, March-2011, PP 29-45.

#### **Professor Ashok Kumar Mohanty**

1. Mohapatra, D.M. and Mohanty, A. K., 2010 "Management of NPAs & Indian Banking Sector , Global Research Publication, New Delhi, Global Research Publication, New Delhi.
2. Mohapatra, D.M. and Mohanty, A. K., 2010 "Non-Performing Assets (NPAs) of Foreign Banks in India in the Post Reform Era: An Analytical Study Management IVC Issue-1, Jan-June, 2010, PP 13-28.
3. Mohapatra, D.M. and Mohanty, A. K., (2010) "Indian Banking Sector: Literature, June-Dec, 2010, PP, 37-58.
4. Mohapatra, D.M. and Mohanty, A. K., (2010) "Global Financial Orissa & Recession: Lesson for the Future, 2010.
5. Mohapatra, D.M. and Mohanty, A. K., (2010), "Global Recession & International Entrepreneurship: An Assessment, Jan-2010, VOL-3, No-2, and PP 39-44.
6. Mohapatra, D.M. and Mohanty, A. K., (2010) "Management of NPAs & Indian Banking Sector, 2010, Global Research Publication, New Delhi.
7. Mohapatra, D.M. and Mohanty, A. K., 2011, "NPA Management: Emerging Market Prospective with Indian PSB Focus, 2011, April-Sept. 2011, Vol-3, and PP 26-34.
8. Mohapatra, D.M. and Mohanty, A. K., 2011, "A Road Map of Reform to Next Generation Reform of Indian Banking Sector: Assessment July-Dec 2011, PP 1-16.
9. Acharya, S. C., and Mohanty A. K., 2012, "The Mines & Minerals (Development & Regulation Bill 2011: A Critical Analysis, Vol.XVII, Vol-XXXII, and PP 14-18.
10. Acharya, S. C., and Mohanty A. K., 2012, "IFRS Convergence Challenges before India INC, Vol-XXX, and PP 42-61.
11. Mohapatra, D.M. and Mohanty, A. K., 2012, "Impact of NPA's on Profitability of Commercial Banks in India in Post Reform Era: With reference to public Sector Banks, March, 2012.
12. Das, S. and Mohanty, A. K., 2013, "Corporate Sustainability Reporting Practice, PP 201-216.
13. Mohapatra, D.M., Mohanty, A. K., and Pattajoshi, A., 2013, "National Aluminium Company Ltd. (NALCO): An Assessment, Vol-5, and PP 73-78.
14. Mohapatra, D.M. and Mohanty, A. K., "2013, Management of Working Capacity: Theory Practice Application and Research, 2013, Galgotia Publishing Company New Delhi.
15. Das, S. and Mohanty, A. K., 2014, "Buying Mobile Handsets: A Comparative Study on Rural & Urban Customers, Vol-2, and PP 9-15.



16. Das, S. and Mohanty, A. K., 2014, "Corporate Social Responsibility and Inclusive Development in Indian Scenario, PP 334-337.
17. Mohapatra, D.M. and Mohanty, A. K., 2014, Indian Banking Progression and Licenses: An Assessment, July- 2014, Vol-XXXV, and PP 39-47.
18. Sahoo, L., and Mohanty, A. K., 2014, "Developing SMEs in India Study of SIDBI in the post Reform Era., 2014, Global Research Publication New Delhi.
19. Das, S. and Mohanty, A. K., 2014, "Corporate social responsibility and development in Indian scenario, Glimpses of Management Challenges, SSB Publisher, Andhra Pradesh.
20. Das, S. and Mohanty, A. K., 2014, "Corporate sustainability reporting practices in India: Financial Reporting & Tax Planning, 2014 MP Arts & M.H. Commerce College for Woman, Ahmadabad.

**Dr. Gouri Sankar Lall**

1. Lall, G.S. & Das, S.K., (2015). Working Capital Management Vis-à-vis Indian Cement Companies. Samanvaya, Journal of Business Studies, Silchar, Assam. Vol. No 5 (Paper Accepted for Publication).
2. Lall, G.S & Raut, K.C., (2015). A Study of Consumer Perception and Satisfaction of Mobile Instrument Buying Behaviour, GITAM journal of Management, Visakhapatnam. Vol. No 13, 19-31.
3. Acharya, S.C., & Jena, B.M., & Lall, G.S. (2014). Fundamentals of Entrepreneurship. Cuttack: Nano Publishing House.
4. Dei, Pinki Rani., Lall, G.S., (2012). Growth of SEZ in India. Samanvaya, Journal of Business Studies, Silchar, Assam. Vol. No 3, 22-31.
5. Lall, G.S. (2011). Business Economics – (Text and Cases). Bhubaneswar: Lakhmi Prakashans.

## CENTRES AND CELLS

## R.P. PADHI CENTRAL LIBRARY

Berhampur University is having a Central Library named as R.P. Padhi Library to commemorate the memory of the Late R.P. Padhi who served the University as the Vice Chancellor from 1968 to 1972. His contributions to the Institution is highly appreciable and praise worthy. The Library was established in the year 1968 to meet the growing needs of the students, teachers and book loving personnel. It mirrors the store house of knowledge and excellence of our university. It is a 3-storey building having three main sections. The Circulation Section is located in the ground floor to issue books to students and others. Reference Section-I containing books and journals is located in the first floor with photo-copy facility at its entrance. Reference Section-II is placed in the 2nd floor which has facility for reading newspapers, magazines and reference books.

The Library has about 1,30,00 books as recorded in Accession Register. The belongings of the library are fully processed using the popular technical tools like 18th edition of DDC for classification and AACR-II for cataloguing. The centrally exhibited library catalogue is arranged alphabetically under three sections such as author, title and subject for tracing each book by the library users.

### Visitors

The total checks-in and checks-out of books are 10462 and 9520 respectively in 2014-2015.

### Library Facilities and Different Sections of the R.P. Padhi Library

#### GROUND FLOOR

##### 1. Acquisition Section

There are about 1,30,000 books, available in the library.

##### 2. Technical Processing Section

A total of 2876 number of books has been classified according to the DDC Scheme 18<sup>th</sup> edition and 2706 books have been catalogued in all respects as per AACR-II. About 2706 number of books has been brought to shelf list.

##### 3. Circulation Section

The Circulation Section of Library is kept open from 10.30 am to 4.30 pm. The transaction hours of this Section are from 10.45 am to 2.00 pm and 2.30 pm to 3.45 pm on all working days.

#### FIRST FLOOR: Reference Section-I

##### 1. Journal Section

The Journal Section is kept open from 10.30 am to 4.30 pm in all the working days of the University. The Section is occupied with the following library belongings:

- |                           |           |
|---------------------------|-----------|
| • Books (Reference)       | 3,224     |
| • Back Volume of Journals | 830 Title |
| • Reports                 | 2580      |

- Statistical Handbooks 2857
- Census Reports 593
- Maps 18
- Globe 1
- Ph.D. Theses 1797
- Encyclopedia for Research Scholars  
and Dictionaries

## 2. Services

- Total No. of Users 4,451
- Reading Materials Used 5,115
- Reference Service 1,601
- Desk Queries 2,076

## 3. Info net Section

The Section provides 30 e-accesses to the research scholars and teachers to access UGC INFONET journals in the library. Library is using New GenLib Software since 2009 under library Automation Programme. About 73,200 data entry of books have been made as part of Library Automation. The service can also be accessed from any computer linked to the University LAN connection.

## SECOND FLOOR: Reference Section-II

### 1. Textbook-cum-Reading Room Section

The textbook-cum-reading room section is functioning in the 2<sup>nd</sup> floor of the R.P. Padhi Library building. This Section opens for reading and reference from 8.00 am to 8.00 pm from Monday to Friday except University holidays. It also opens from 10.30 am to 4.30 pm on Saturday, Sunday and during Summer vacation. The textbook section contains;

#### A. Textbooks and Dissertations:

- i. Total Number of Books - 16,174
- ii. M. Phil. Theses: 2,864
- iii. P.G. Dissertations: 4,308

#### B. News Papers:

- i. Odia Newspapers: 08
- ii. English Newspaper: 10
- iii. Hindi Newspaper: 01
- iv. Telugu Newspaper: 01

**C. Magazines:**

- i. English: 38
- ii. Odia: 07

**USER'S STATISTICS:****Books Section -**

- i. Total Nos. of Readers in the Year 2014 - 13,318
- ii. Total Nos. of Documents Used in the Year 2013 - 34,646

**News papers and Magazine section -**

- i. Total Nos. of Reader Attendance in the Year 2014 - 10,227
- ii. Total Nos. of Documents Used in the Year 2013 - 10,315

**2. Reprography Unit (Photocopy)**

Photocopy services are provided to all categories of users as per the rules of the University.

The whole library is monitored by 25 professionals and supporting staff.



**R.P. PADHI CENTRAL LIBRARY**

## HARIHAR MARDARAJ DISTANCE EDUCATION CENTRE

The Distance Education Centre of Berhampur University, named after the late Raja Saheb Harihara Mardaraj of the erstwhile estate of Khallikote in the district of Ganjam, came into existence in the year 1987. The Centre now offers a total number of 28 under-graduate/post-graduate and professional courses. It has made provisions for contact classes for students offering post-graduate, professional and under-graduate courses with minimum students' strength of 25 in a particular subject. It is a matter of great satisfaction that the admission strength in all courses offered by the Centre has gone up to a considerable height. An Advisory Committee headed by the Director acts as a policy-making body of the Centre.

### **Aims and Objectives**

The Centre aims to provide educational facilities, particularly to those who cannot pursue regular courses due to financial or other constraints. It is also proposed to provide a viable alternative mode of education to students who cannot devote whole time required for a student in College owing to some social or other difficulties. Further, the Centre aims at providing higher education to persons of all age and sex, in-service persons, persons otherwise handicapped and persons residing in the remote areas. Students who fail to get a seat in a College can also utilise the opportunity and acquire higher qualification through distance mode.

### **Courses Offered**

The Centre admits candidates to the Three Year Degree Courses (General and Honours) under Berhampur University. It also offers Post-Graduate courses in collaboration with the P.G. Departments of the University and institutions affiliated to the University through distance mode in accordance with the syllabi and Regulations of the University as prescribed from time to time.

Three Year Degree Arts - General & Honours.

Three Year Degree Commerce - General & Honours.

Three Year Degree Science - Honours.

M.A in English

M.A. in Odia

M.A in Political Science

M.A in History

M.A in Economics

M.A in Public Administration

M.A in Education

M.A/M.Sc. in Mathematics

M. Com

M. Sc in Marine Sciences: (a) Oceanography (b) Marine Biology

M.Sc. in Physics

M. Sc in Chemistry

M. Sc in Botany

M. Sc in Zoology

Master of Business Administration (M.B.A)

M.C.A (Lateral Entry)  
LL.M.  
P.G Diploma in Banking Finance (PGDBF)  
P.G Diploma in Communicative English (PGDCE)  
Bachelor of Library and Information Science (BLIS)  
Master of Library and Information Science (MLIS)  
P.G Diploma in Computer Application (PGDCA)  
P.G Diploma in Marketing Management (PGDMM)  
P.G Diploma in Yogic Science (DYS)  
P.G. Diploma in Library Automation & Networking

The students of MBA Course are being supplied with study materials in shape of modules. The Centre has made provisions for contact classes for students pursuing post-graduate and professional courses and particularly for under-graduate courses, conducted in four Nodal College Centres. There is also provision for Hostel accommodation for the outside students of DE Mode during the Contact Programme and examinations.

Besides, the DEC has newly introduced the supply of study materials and students bags to the admitted students of Three Year Degree Courses (Art/Science/Commerce) on the day of spot admission and afterwards.

### **Future Plans**

The Centre has also taken the initiative to introduce new courses. These steps have contributed to strengthen the financial base of the Centre as well as cater to the needs of the industries and different organizations.



**HARI HAR MARDARAJ DISTANCE EDUCATION CENTRE**

## NATIONAL SERVICE SCHEME (NSS) BUREAU

NSS Bureau, Berhampur University was established in the year 1970-71 and governed all affiliated college under the University. In the beginning, NSS Bureau started with 300 NSS volunteers distributed in 06 colleges. At present, it has been enlarged with 11250 NSS volunteers composed of 255 units (both boys and girls) spread over 110 colleges. During last three years, units have been opened in different Engineering and Technical Colleges in this region. National Service Scheme is a student-centered programme and it serves as a significant component in higher education. It includes the spirit of nobility among students and volunteers with academic interest. Through various social activities and programmes, students and teachers are involved in promoting community interaction and social upliftment. Thereby it adds an extension dimension to higher evaluation system and orients the student youths to vocalize community service. Every year, on 24<sup>th</sup> September, 'NSS Day' is celebrated organizing different programmes and activities.

Generally, there are two types of programmes organized in NSS (a) Regular Camping Programme during weekend holidays and Sundays and hourly programme post-working hours of the day. (b) Special Camping Programme during vacation particularly, in Summer, Puja and X-Mas. Since Medical and Engineering Colleges are involved in the programme and they do not have any specific vacation in order to carry out the Special Camps, they are being allowed to conduct special camps during the period of interval between two semesters. Besides, Inter College Camp, Disaster Management Training Camp, Youth Leadership Training Camp, Adventure Programme, Youth Exchange Programme, National Integration Camp, Youth Skill Development Training Programme and so on are organized.

NSS office is functioning in a separate building of the University, having well-furnished rooms like Store Room, Record Room, Guest Room etc. Computers and audio-visual facility are also provided to the NSS wing. The office is running with one Programme Coordinator along with 02 Assistants and 02 supporting staff.

### **Aims and Objectives**

- Understand the community needs and articulating the students' relation for the societal development work.
- Inculcate spirit of nobility along with academic interest.
- Identify the problems and requirements of the community and taking proper steps to solve them.
- Work for upbringing social solidarity and harmony in and around the community.
- Gain skills for mobilizing community welfare programmes through active participation at the state level.
- Develop and nurturing strong will power, endurance and foresightedness to face emergencies and natural disasters.
- Stimulate national integration and social harmony among youth through the exemplification of leadership qualities and democratic attitudes.

### **State Level Award for the year 2011-12 and 2012-13**

In the year 2011-12, Programme Officer Dr. P. Sahu and two NSS volunteers P.K Padhy and R.K Senapati received the State Level Award and Best Volunteer Award respectively. In the



following year, Programme Officer Smt. Indira Priyadarshini Patnaik received National Indira Gandhi Award.

Further, in 2012-13, Dr. S.P. Nayak received NSS State Award for his remarkable extensive contribution towards community development.

#### No. of Programme Officers and Volunteers (June 2010 to May 2015)

Year	No. of Members
2010-11	215 Programme Officers and 10750 Volunteers
2011-12	225 Programme Officers and 11250 Volunteers
2012-13	225 Programme Officers and 11250 Volunteers
2013-14	225 Programme Officers and 11250 Volunteers
2014-15	225 Programme Officers and 11250 Volunteers

#### Details of Activities Undertaken during June 2010-May 2015

Year	Activities undertaken	No. of participants	Outcome of the activities
2010-11	Mahanadi River Expedition,	02	Knowledge gain.
	Chilika Tracking Programme	05	Knowledge gain.
	Pre-R.D Selection Camp at	75	05 volunteers selected and one participated at New Delhi.
	Science College, Hinjilicut, Plantation.	2000	280 survived
	Blood Donation,	1700	943 unit blood collected
	Environmental Education and Sustainable Development.	6000	149 Awareness Camps
	RGNIYD, Sriperabudur (TN)	3Male and 3Female	Became Master Trainer
2011-12	Gyanalok	3000	693 dropout child Pervaded to continue studies
	Blood Donation	2800	2393 units of blood collected
	Sanitation Awareness	5284	78 Camps
	Water Shed Management	3429	52 Camps
	Indian Youth Delegation to China	01	Sri. B. Samal visit to China
2012-13	Pre RD Camp at Bhubaneswar	20	SP Nayak, Deenabandhu Mohanty, J. Rath and Miss A. Patnaik

	Mega Blood Donation Camp	3297	2640 Unit blood collected
	Herbal Garden	03	03
	State Slogan Competition	01	01(Second in the State)
	Plantation	470	265 survived.
2013-14	Youth Exchange Programme	12	Gained experience of Gujarati culture
	Plantation	1200	600 survived
	Sanitation Awareness	4000	116 Camps
	Blood donation	4422	2368 units of blood collected
	Mega Health Camp	150	Treatment of Health Check up 800 people from 03 Panchayats
	SVEEP	5340	Massive awareness campaign was done
	RTI Awareness	3420	65 camps was organized
	Odia classical language celebration	200	1 camp was organized
2014-15	Plantation	4080	1255 survived
	Sanitation Awareness	2248	83 camps
	Blood donation	2250	1819 units of blood collected
	Cattle immunizations	800	70 Cattles
	SVEEP	320	02 Camps
	Consumer Awareness	2435	55 Camps
	Swachha Bharat Abhiyan	8967	104Camps
	RTI Awareness	3885	17 Camps
	NIRD and PR	547	50 volunteers and 10 Pos trained at NIRD and PR, Hyderabad
	Self Defense Training	300	Gained Knowledge

#### **Thrust Areas**

- Volunteers Participation in Community Development,
- Personality Development, and capacity building.
- Ready to Help.
- Awareness on Sanitation and Social Evils.

**Grants Received during 2010-15 with the Name of the Funding Agency**

<b>Year</b>	<b>Funding Agency</b>	<b>Regular (in Rupees)</b>	<b>Special (in Rupees)</b>
2010-11	Govt. of India: 7, Govt. of Odisha: 5 (Matching share)	17,20,000/-	16,12,500/-
2011-12	Govt. of India: 7, Govt. of Odisha: 5 (Matching share)	17,18,835/-	17,35,806/-
2012-13	Govt. of India: 7, Govt. of Odisha: 5 (Matching share)	20,68,942/-	18,62,046/-
2013-14	Govt. of India: 7, Govt. of Odisha: 5 (Matching share)	16,80,751/-	9,67,683/-
2014-15	Govt. of India: 7, Govt. of Odisha: 5 (Matching share)	27,19,646/-	24,47,118/-

**Other Highlights**

Adoption of 10 model villages in collaboration with NSS volunteers for holistic development of the undeveloped villages under NIRD and PR Project, Hyderabad. Volunteers of GIET, Gunupur were applauded by the Government of Odisha for contributing the highest number of blood units in Odisha during 2014-15.

**Achievements of NSS Bureau**

- We have submitted proposal to the Department of Youth Affairs and Sports, Government of India to enhance the regular camping grant amount from Rs. 12/- to Rs. 25/- per volunteer on 13<sup>th</sup> August, 2015 and sent the follow-up on 1<sup>st</sup> June, 2015.
- We have adopted 10 under developed rural villages of South Odisha under the jurisdiction of Berhampur University for their holistic development in collaboration with NIRD and PR, Hyderabad.
  - i. 50 Student's Volunteers and 10 Programme Officers have undergone training at Hyderabad during 1<sup>st</sup> and 2<sup>nd</sup> November 2014 for this purpose.
  - ii. Preliminary survey report of these villages have been completed and submitted to NIRD and PR Hyderabad by the concerned Programme officers.
- Our University maintained the record of collecting highest number of units of Blood for several years, however; last year GIET, Gunupur received the State Award 2014-15 for the same. The Bureau collected a total of 1819 units of Blood during 2014-15.
- As a part of the Post Phailin programme, we have distributed clothing materials and medicines provided by the Employees Association of NALCO to the Phailin affected villagers of Humiki, Aska and Laxmipur.
- We have planted more than 7000 saplings in the University Campus in collaboration with Forest Department, Government of Odisha. Along with this 5000 saplings were planted by different NSS Units. The Bureau is searching suitable land for plantation of Neem tree under the Jagannath Vatika Project.

- We have organized an Inter- University Camp for Women at Women's College, Rayagada and 4 inter-College camps at Biju PanaiK Kundra College, Koraput, Savitri Women's college, Bhanja Nagar, Gunupur College, Gunupur and Sunabeda Women's College, Sunabeda.
- We have organized "Swachha Bharat Abhiyan" on 29<sup>th</sup> and 30<sup>th</sup> September, 2015 at the University campus and continued this in different colleges round the year.
- We have organized Inter-College Yoga Training camp on 22-06-2015 on the occasion of International Yoga Day.
- We have organized one Mega Health Camp in collaboration with TATA Rural Society Gopalpur covering 03 Gram Panchayats.

#### **Future Plans**

- More involvement of student volunteers in NSS activities and more emphasis on "Swachha Bharat Abhiyan".
- Importance for organizing more blood donation camps.
- Awareness Campaign, Leadership and Personality Development Programmes.



**NSS BUREAU BERHAMPUR UNIVERSITY**

## SPORTS COUNCIL

Sports Council, Berhampur University was established in 1967. It takes pride in being the foremost promoter of sports in the South Odisha. It reiterates its commitment to promote participation, inclusion and excellence in sports at all levels. 'State Sports Grid' has been developed so that maximum number of students has access to use sports infrastructure uniformly throughout all colleges under the University.

The physical activities and sports are integral parts of Berhampur University culture and society. Sports Council has its own building near the University playground. It is well equipped with Indoor games. It is headed by the Secretary, appointed by the Authority of the University. Football coach and supporting staffs are employed to assist the Secretary.

### **Aims and Objectives**

The University aims to increase awareness among students regarding significant benefits of physical activities and the practice of sports. The Government will strive to ensure a scenario where right to fitness and right to play can be reasonably realized.

### **Infrastructure Facilities**

1. Indoor Badminton Court      01
2. Basket Ball Courts            02
3. Volley Ball Outdoor Court    01
4. Foot Ball Outdoor Court
5. Table Tennis Board
6. Cricket Ground
7. Hockey Ground
8. Athletics (High Jump Pit, Putting the sot, Hammer Throw, Discus Throw, Javelin Throw).
9. Multi Gym 21Stations

### **Details of Activities undertaken during June 2010-May 2015**

The Sports Council has conducted all the Inter-College Tournaments as decided in the A.G.B. Meeting and also sent the University teams to participate in different Inter-University Tournaments. The University has sent teams to participate in the Inter-Zone and All-India Tournaments/Meets/Competitions organised by different Universities under the auspices of the Association of Indian Universities, New Delhi. The venue of different Inter-College Tournaments organised under the auspices of the Sports Council, Berhampur University and the Inter-University Competitions are indicated below.

### **Year 2010-2011**

SI. No.	Games	Inter College Venue	Int. University Venue	Date of Participation	Result / Performances
1	Volleyball	Peoples College, Buguda.	V.B. University, Hazaribag	06.01.2011	Participated
2	Boxing	Chikiti Mohavidyalaya, Chikiti	M.L.S. University, Udaipur	09.01.2011	Participated

## Year 2011-2012

SI. No.	Games	Inter College Venue	Int. University Venue	Date of Participation	Result / Performances
1	Football	B.A. College, Berhampur	Sambalpur	20.9.2011	Participated
2	Kabaddi (W)	Rayagada (Auto)College, Rayagada	Puri	01.10.2011	Participated
3	Kabaddi (M)	Rayagada (Auto) College, Rayagada	M.G.K. Varanasi	19.10.2011	Participated
4	Basketball (W)	Sports Council	Jaunpur	04.11.2011	Did not Participate
5	Cricket (M)	SMIT, Patapur	B.H.U	20.12.2011	Participated
6	Boxing	City College, Berhampur	Bhopal		Participated
7	Handball	K. K. (Auto.) College, Berhampur	Raipur	14.11.2011	Participated
8	Hockey	K. K. Auto College, Berhampur	MGK Varanasi	09.12.2011	Did not Participate
9	Athletic (M & W)	Sports Council, B.U.	Mangalore	17.12.2011	Participated
10	Badminton (M & W)	Sports Council, B.U.	Vacant		Did not Participate
11	Basketball (M)	Sports Council, B.U.	Burdwan (WB)	30.12.2011	Participated
12	Volleyball	Peoples College, Buguda.	Satna (MP)	06.11.2011	Participated and average
13	Chess	Chikiti Mohavidyalaya, Chikiti	APS University, Rewa	10.1.2012	Average
14	Table Tennis (M&W)	Sports Council, Berhampur University	Visva Bharati Univ. (WB)	14.1.2012	2 <sup>nd</sup> round
15	Weight lifting (M&W) & Best Physique (M)	Lingaraj Law College, Berhampur	G.N.D.U. University, Amritsar, Punjab.	24.1.2012	Susant Sahu 3 <sup>rd</sup> place in Weight lifting (M).

## Year 2012-2013

Sl. No.	Games	Inter College Venue	Inter University Venue	Date	Result / Performances
1	Badminton (M&W)	Sports Council, B.U.	T.M. Bhagalpur University, Bhagalpur	04.10.2012	2 <sup>nd</sup> round
2	Cricket (W)	Sports Council, Berhampur University	V.B.S. Purbanchal University, Jaunpur	12.10.2012	3 <sup>rd</sup> round
3	Basketball(M)	Sports Council, Berhampur University	Kalyani University, Kalyani.	13.10.2012	Participated
4	Basketball( W)	Sports Council, Berhampur University	KIIT, University Bhubaneswar	26.10.2012	2 <sup>nd</sup> round
5	Kabaddi (W)	People's College, Buguda.	Kalyani University, Kalyani.	03.11.2012	2 <sup>nd</sup> round
6	Chess	Chikiti Mohavidyalaya, Chikiti	Jadavpur University.	03.11.2012	Average
7	Handball (M)	City College, Berhampur.	Manipur University, Manipur.	05.11.2012	2 <sup>nd</sup> round
8	Volleyball (M)	Peoples College, Buguda,	Tripura University.	15.11.2012	
9	Cricket (M)	S.M.I.T, Chandipadar, & S.K.C.G. (Auto) College, Paralakhemundi	Calcutta University, Kolkata.	08.12.2012	Participated
10	Hockey(M)	Sports Council, Berhampur University	V.B.S. Purbanchal University, Jaunpur	13.12.2012	Participated
11	Kabaddi (M)	S.B.P. Mohavidyalaya, Samantiapalli	T.M. Bhagalpur University.	16.12.2012	2 <sup>nd</sup> round
12	Football (M)	Nabarangpur College	Burdwan University, Burdwan	24.12.2012	2 <sup>nd</sup> round
13	Boxing(M)	S.M.I.T, Chandipadar	Dr. H.S. Gour University, Sagar.	25.12.2012	3 <sup>rd</sup> round



**Year 2013-2014**

Sl. No.	Games	Inter College Venue	Inter University Venue	Inter University Date	Result / Performance in Inter University
1	Hockey (M)	Sambalpur University	Sambalpur University, Sambalpur	06.10.2013	Participated
2	Badminton (M&W)	Sports Council, BU	KIIT University, BBSR	07.10.2013	2 <sup>nd</sup> Round
3	Basketball (M)	Sports Council, BU	KIIT University, BBSR	07.10.2013	2 <sup>nd</sup> Round
4	Basketball (W)	Sports Council, BU	KIIT University, BBSR	07.10.2013	2 <sup>nd</sup> Round
5	Football (M)	K.S.U.B. College, Bhanjanagar	L.N.C.P.E, Gwalior	07.10.2013	Participated
6	Chess	Sports Council, BU	APS University, Rewa	09.10.2013	Average
7	Volleyball (M)	M.K.C.G. Medical College, BAM	L.N.I.P.E, Gwalior	14.10.2013	Participated
8	Handball (M)	Has not conducted	Kakatiya University, Warangal	14.11.2013	1 <sup>st</sup> Round
9	Kabaddi (M)	Has not conducted	Kakatiya University, Warangal	25.11.2013	Participated
10	Table Tennis (M&W)	Sports Council, BU	Pt. R.S. University, Raipur	09.12.2013	2 <sup>nd</sup> Round
11	Athletics (M&W)	Sports Council, BU	Punjab University, Patiala	23.12.2013	Participated
12	Cricket (M)	Sports Council, BU & B.R. Sc. College, Pattapur	Kakatiya University, Warangal	27.12.2013	1 <sup>st</sup> Round
13	Boxing (M)	City College, Berhampur	BHU, Varanasi	04.01.2014	3 <sup>rd</sup> Round



14	Cricket (W)	Sports Council, Berhampur University	Kakatiya University, Warangal	07.01.2014	2 <sup>nd</sup> Round
15	Weight Lifting (M&W) & Best Physique (M)	Lingaraj Law College, Berhampur	Anna University, Madras	04.03.2014	Average
16	Kabaddi (W)	S.B.P. Mohavidyalaya, Samantiapalli	Cancelled due to Super Cyclone		

**Year 2014-2015**

Sl. No.	Event	Venue of Inter-College	Venue of Inter-University	Performance of the University Level
1	Chess (M & W)	Lingaraj Law College, Berhampur,	KIIT University, BBSR	Average
2	Table Tennis (M & W)	Sports Council, Berhampur University	KIIT University, BBSR	2 <sup>nd</sup> Round
3	Kabaddi (W)	Savitri Women's College, Bhanjanagar	KIIT University, BBSR	Participated
4	Volleyball (M)	Sports Council, Berhampur University	KIIT University, BBSR	Participated
5	Football (M)	Adivasi College, Balliguda	Mizoram University, Mizoram.	2 <sup>nd</sup> Round
6	Handball (M)	--	V.B.S. Purvanchal University, Jaunpur	2 <sup>nd</sup> Round
7	Cricket (W)	Khallikote (Auto) College, Berhampur	L.N. Mithila University, Darbhanga	2 <sup>nd</sup> Round
8	Cricket (M)	Sports Council, B.U. & B.R. Science College, Pattapur	V.B.S. Purvanchal University, Jaunpur	2 <sup>nd</sup> Round
9	Kho-Kho(M)	City College, Berhampur	L.N. Mithila University, Darbhanga.	Participated
10	Kho-Kho (W)	Sports Council, Berhampur University	L.N. Mithila University, Darbhanga	Not Participated due to Cyclone (Hud-Hud)
11	Basketball (M)	Sports Council, Berhampur University	M.K. Kashi University, Varanasi	Participated
12	Basketball (W)	Sports Council, Berhampur University	Banaras Hindu University, Varanasi	Participated
13	Athletic (M & W)	M.K.C.G. Medical College, Berhampur	R.G.U.H.S., Bangalore	Participated
14	Hockey (M)	--	M.G. Kashi University, Varanasi	Participated
15	Badminton ( M & W)	Sports Council, Berhampur University	Banaras Hindu University, Varanasi	2 <sup>nd</sup> Round
16	W/L (M&W) & B/P (M)	Chikiti Mahavidyalaya, Chikiti	Punjab Technical University, Patiala	Average

### **Future Plans**

Expansion of Sports Complex to have multipurpose indoor games (Basketball, Volley ball, Badminton, Table Tennis)



**SPORTS COUNCIL BERHAMPUR UNIVERSITY**

## BIJU PATNAIK COMPUTER CENTRE

Biju Patnaik Computer Centre (BPCC) plays a pivotal role in the University so far as all ICT related activities are concerned. It was established in 1986 as the hub to provide Internet connectivity to different buildings in the campus through a Campus-wide LAN. The Internet service has been made possible through the NME-ICT National Knowledge Network project of the Ministry of Human Resource Development, Government of India. The Centre also extends necessary technical support during procurement, repair and maintenance of computers, peripherals, network equipment, etc. All data processing activities relating to examinations i.e., starting from printing of admit cards, result processing, online publication of results of different Post Graduate as well as undergraduate courses are carried out in the administrative unit of the BPCC. Besides employee payroll, pension calculation, IT calculation, preparation of Form-16, and many other finance related data processing are also done regularly. This has helped in streamlining many of the data intensive, and time consuming activities of the University.

### Aims and Objectives

- Facilitate Internet connectivity through Campus-Wide LAN.
- Maintain of computers, peripherals, and other electronic equipment.
- Result Processing of 57 different types of examinations conducted by the University.
- Print Student Registration Slips, Admit Cards, Tabulation Registers, Degree Certificates and Mark Sheets.
- On-line Publication of results.
- Automate different financial data processing activities such as employee payroll, preparation of deduction schedules, calculation of arrears, GPF/CPF deductions and interest calculations etc.
- Extend technical support to users with respect to use of computers and different software.
- Act as an advisory unit to the University on matters relating to procurement, usage, and maintenance of computing and network equipment.

### Thrust Areas of the Centre

- Facilitate internet access for teachers, researchers, students, and employees of the University.
- Automate different data processing works of the University.
- Extend technical support to the University as far as possible.

### Grants Received during (2010-15) with the Name of the Funding Agency

A sum of Rs.15 Lac was received under the XI Plan equipment grant. The amount has been utilised and report sent on 25.02.2012.

### Future Plans

- Establish Wi-Fi campus
- Set-up an e-Studio for conducting e-classes under the NME-ICT project
- Establish a Central Computing Facility Centre for the students.

The Computer Centre has been providing all technical support relating to use of ICT in the campus. There are many computers and network equipment that are being used for the purpose. In this respect, recently 50 computers have already been installed.



**BIJU PATNAIK COMPUTER CENTRE**

## SOUTH ODISHA CULTURAL STUDY CENTRE

“The South Odisha Cultural Study Centre” has been functioning as an extension of SAP of the Department of Odia since 21.03.2014 vide Syndicate Resolution No.546 dated 28.10.2014.

### **Aims and Objectives**

- Collect, preserve and promote study and research on the culture of South Odisha.
- Carry out research initiatives on language, dialect, Jagannath culture and performing tradition.
- Encourage Publication of Books, Monographs and Research Papers.
- Conduct extensive field studies.
- Conduct documentation of tribal culture, folklore and digitalization of palm-leaf manuscripts.
- Rejuvenate the performing tradition of folk music of South Odisha.
- Develop a Folk and Tribal Museum.
- Develop a Palm-leaf Museum.

### **Activities Undertaken (Seminars Conducted)**

- “Performing tradition of South Odisha” during 24-25 March, 2014.
- “Tribal Culture of South Odisha” during 29-30 March, 2014.
- “The Mahaprasad as a Religious Resource” (Economy of Jagannath Temple) on 7<sup>th</sup> February, 2015
- “Padma Shree Bhagaban Sahu Memorial Lecture” on 21<sup>st</sup> March, 2015.
- “Folk and Tribal Culture of South Odisha” on 22<sup>nd</sup> March, 2015.
- “Dr. Beni Madhab Padhi Memorial Lecture” on 11<sup>th</sup> April, 2015.
- “Nabakalebaraa: An Interface”, by Ronald Heidenberg, Germany on 11<sup>th</sup> April, 2015.
- “Folk Culture of South Odisha” on 12<sup>th</sup> April, 2015. “Culture of South Odisha” in collaboration with Sahitya Akademi, Odisha on 1<sup>st</sup> October, 2015.

### **Collections**

- Palm-leaf Manuscripts about 2015 numbers.
- Paper Manuscripts and Books/Journals/Periodicals- 7000.
- Tribal artifacts from South Odisha.
- Folk Traditional Materials.

### **Administrative Functioning**

- Chairman- Professor Dr. Deepak Kumar Behera, Vice-Chancellor, Berhampur University.
- Director- Prof. Aswini Kumar Panda, Coordinator, Dept of Odia, Berhampur University.
- Deputy. Director- Prof. Devi Prasan Patnaik, Asst. Coordinator, Dept of Odia, Berhampur University.

**Collaborative Research**

- The SOCSA has signed MOU with the Tubingen University, Tubingen, Germany on 02.12.2013.
- Collaborative research with University of Groningen, The Netherland.
- Collaborative research with Prakiti Ramesh, Dept. of Culture and society Material Culture of Marginalized Community of Odisha and Aarhus University, Denmark on 10.09.2014

<b>Procurement of Books</b>	1640
<b>Field Studies Conducted</b>	12

**Courses Introduced**

- M.Phil. in Anthropology.
- M.Phil. in Performing Traditions.



SOUTH ODISHA CULTURAL STUDY CENTRE



### CENTRE FOR CANADIAN STUDIES

The “Centre for Canadian Studies”, Berhampur University was established in 1993 under the Canadian Studies Development Programme of the Department of External Affairs, Government of Canada through Shastri Indo-Canadian Institute (SICI), New Delhi. Since its inception, the Centre has been ceaselessly promoting research in the areas of literature, politics, economics, law, commerce, management studies, etc. pertaining to the mutual areas of concerns. This is sufficiently illustrated in terms of number of seminars, workshops, conferences and lecture programmes organized under the auspices of the centre over the years. Some scholars pursuing their M. Phil course and Ph. D programme in the departments of English, History, and Political Science, etc. have taken topics pertaining to Canada. In the last twenty two years six faculty members of the University visited different Canadian Universities like University of Regina (Saskatchewan), University of Winnipeg (Manitoba), University of Ottawa under various academic programmes sponsored by SICI, New Delhi.

The Library of the Centre has a collection of around 500 books and has around 140 journals in different disciplines. Till date, eight National Seminars, three State level conferences and one State level workshop have been organized by the Centre. Some of the seminar proceedings have also been published. A special lecture programme was arranged by the centre where Professor Gary Vanloon of Queen’s University spoke on “Global Water Challenges”. The Canadian Centre of the University has been actively engaged in conducting various academic programmes sponsored by the SICI from time to time. By organizing seminars, conferences, and lecturer programmes the Centre not only popularizes the Canadian Studies but also helps in motivating the students, scholars and teachers to pursue research work in the area. The library facilities of the centre are being extended to the scholars and teachers working in different fields of research.

#### Details of Activities Undertaken during June 2010-May 2015

Year	Activities undertaken	Date and Number of participants	Outcome of the activities
2010-11	National Seminar on “Democracy, Nature and Ideology: The Indo-Canadian Perspectives”	9 <sup>th</sup> -10 <sup>th</sup> March, 2010 50 numbers	
2011-12	National Seminar on “Diplomacy, Defense and Development Canadian & Indian perspective”	18 <sup>th</sup> & 19 <sup>th</sup> February, 2012 56 numbers	Inter disciplinary Research work is encouraged.
2012-13	A lecture on “Indo Canadian Relations: A Historical Perspective”	24 <sup>th</sup> July, 2013 52 numbers	
2013-14	National Seminar on “Indigenous People and Their Rights: Issues and Challenges”	10 <sup>th</sup> & 11 <sup>th</sup> Jan, 2014 120 numbers	
2014-15	National Seminar on “Internal Security : An Indo-Canadian Perspective”	12 <sup>th</sup> & 13 <sup>th</sup> Mar, 2014 105 numbers	Active participation of Students & Teachers was observed.

**Grants Received during (2010-15)/ from the funding agency**

<b>Year</b>	<b>(Amount) Grants in Rupees</b>	<b>Agencies</b>
2010	Rs. 43,950/-	SICI
2011	Nil	
2012	Rs. 1,38,000/-	SICI
2013	Nil	
2014	Rs. 1,00,00/-	ICSSR
2015	NA	

**Future Plans**

- Enhance the areas of research and co-operation.
- Seek the co-operation of SICI in the field of finance so as to conduct more number of seminars and workshops in the field of Indo-Canadian Studies.



## INNOVATION-CUM-INCUBATION CENTRE

An Innovation-cum-Incubation Centre has been established. It provides platforms and mechanisms for the actors and stakeholders in the region to interact with each other and thus to foster needs/opportunities based on innovation. A University in the region, being the knowledge epicentre, will naturally be able to champion multitude of initiatives to create, explore and diffuse knowledge and innovations into its immediate and larger society. The Berhampur University Innovation-cum-Incubation Centre seeks to build an innovation network with multiple stakeholders like Industry, other Universities, R&D Laboratories and other institutes.

### Aims and Objectives

The Innovation-Cum-Incubation Centre will be instrumental in drawing up the innovation strategy power and in creating roadmaps/action plans for the University. The following is a proposed list of activities that the Centre is envisaged to undertake:

- Technology transfer.
- Entrepreneurship promotion.
- Igniting Youth Innovation.
- Collaboration with industry, other Universities, regional and national stakeholders
- Creation of knowledge sharing mechanisms inside the University
- Training and mentoring
- Innovation in curriculum (It is worth noting that Berhampur University has already embarked upon this activity by introducing examination reforms, question bank and innovative design of answer scripts.)
- Innovation awareness and outreach
- University innovation strategy and roadmap

### Future Plans

Berhampur University Innovation-cum-Incubation Centre, with a mentor Professor. Pratap Mohanty (at level of Professor) has proposed to undertake the following projects in different domain areas and the proposals were submitted to the Planning and Coordination Department, Government of Odisha. The department called for final presentation during June 2015 and asked the university to revise the proposal limiting the budget to maximum one crore and identifying one or two core areas. Berhampur University has submitted the modified project proposal and also presented the proposals at the Odisha Secretariat. Subsequently the Planning and Coordination Department has drawn a proceeding in which rupees 99.99 lakh has been the earmarked for Berhampur University. The proposals which are at the final stage and to be implemented under the Innovation and Incubation Centre are:

- Proposal on Targeted Drug Delivery (TDD)
- Climate Change Mitigation through application of renewable energy and reduction of black carbon level
- Value Addition Research and Development (VARD)- Marine Fishery Products
- Igniting Youth Innovation
- The Innovation Toolkit

## INSTRUMENTATION MAINTENANCE FACILITY (IMF) CENTRE

The University Grants Commission has realized that universities and colleges have a sizeable pool of instruments and modern electronic hardware which will increase with time and will therefore need to be properly maintained for their efficient and effective use. So, the commission gives emphasis on building capacity to maintain instruments and modern electronic hardware in the higher education and implemented IMF Scheme. Under this scheme, in the year 2008 IMF Cell was set-up which is headed by the Professor-in-Charge, P.G. Department of Physics. As per the guidelines of the UGC, a technician was appointed in the year 2010. The Commission provided essential tools for repairing of equipment and maintenance of electronic hardware under XI<sup>th</sup> Plan (Merged Scheme).

### **Aims and Objectives**

- Provides effective and economical services in the repair and maintenance of scientific instruments and electronic hardware.
- Satisfies the users of instruments and electronic hardware regarding the quality of service.

### **Grants**

- The UGC sanctioned Rupees 21 Lakhs under XI th Plan (Merged Scheme) in 2007-2008.
- The UGC sanctioned an amount of Rupees 10 Lakhs under XII th Plan in 2014

### **Staff**

- Professor-in-Charge 2008 onwards.
- Technician was appointed in January 2010 and continued till March 2012. After that as per the UGC norms and conditions, the post of technician has been abolished.

## BIOINFORMATICS INFRASTRUCTURE FACILITY (B.I.F) CENTRE

The Department of Biotechnology (DBT), Govt. of India, New Delhi, has sanctioned “Bioinformatics Infrastructure Facility (B.I.F) Centre” to Berhampur University. Presently the Centre is established in the department. of Zoology, Berhampur University and is engaged in many academic activities leading to popularization and understanding of Bioinformatics and its importance in Biological Science. The B.I.F Centre provides learning and training in Bioinformatics to the science students, scholars and teachers of the university and affiliated colleges. The centre is coordinated by Prof. Subasini Pattnaik, Professor, Department of Zoology, Berhampur University.

### Aims and Objectives

- The main aim of the centre is to create professionals, teachers and scholars in the field of Bioinformatics tools and Computational Biology.

### Major Research Activities in Biotechnology and its Related Fields

- Culture, isolation and screening of bacteria,
- Development of fish chromosome database,
- DNA Bar-coding of commercially important fishes.
- Computational Modeling of Macromolecules.

### Infrastructure Facilities in the Bioinformatics Centre

- **Hardware:** The Center has 10 numbers of Computers with High-speed Broadband and Wi-Fi facility.
- **Software:** The Center has procured number of computational biology software (Discovery Studio, Lead IT etc.) for modeling of Macromolecules.

### Details of Training/Workshop Organized

Year	Programmes
2013	A three day Workshop-Cum-Training programme On “ <b>Applications of Bioinformatics Tools in Biological Science Teaching and Research</b> ”
2012	Two day’ Workshop-Cum-Training programme on “ <b>Biotechnology &amp; Bioinformatics Tools and Techniques</b> ”.
2010	Short term Training Course on “ <b>Bioinformatics in Sequence Analysis, Molecular Modelling and Drug Designing</b> ”.
2010	Workshop on “ <b>Sequence Analysis, Phylogenetic and Structure Prediction of Biomolecules</b> ”.

### Future Plans

- Organize hands on training, workshops and short term training programmes for utilizing the applications of Bioinformatics in biology teaching.
- Establish collaboration with other institutions and BTISnet Centres for information resources and expertise.
- Develop on-line databases

## ANTI RAGGING CELL

The Honorable Supreme Court has passed a judgment in Civil Appeal No. 887 of 2009 that ragging is a social offence. As per the judgment, guidelines were issued for setting up of a Central Crisis Hotline and Anti-Ragging database in Educational Institutions.

### **Anti Ragging Committee**

In order to check and eradicate, the Chairman, PG, Council, Berhampur University constitutes an Anti-Ragging Committee consisting of 15 faculty members including 02 student representatives (one male and one female) since 2009.

### **Aims and Objectives**

- Maintaining the records of cases pertaining to ragging, actions taken and preserve a culture of ragging free environment in the campus. Anyone in the campus is allowed to report any type of ragging to the committee.
- Creating awareness about the consequences of ragging. Banners are flagged in different places like hostels, classrooms, canteen and other places of student congregation for any instances of ragging.
- Taking preventive measures to curb the menace of ragging in the University campus.

### **Future Plan**

Installation of CC TV in critical places.

## INTERNAL QUALITY ASSURANCE CELL (IQAC)

In accordance with the UGC guidelines for National Assessment and Accreditation Council (NAAC), the process of forming Internal Quality Assurance Cell started in August, 2007 to realize the goals of quality enhancement and sustenance. The primary objectives of IQAC are:

- To develop a system for conscious, consistent and catalytic improvement in the performance of institutions
- To implement various measures and efforts towards promoting a holistic academic excellence in the University.

### Activities:

Frequent meetings were organized during last five years to monitor the quality in the areas of academic, administration, examination of the University and continuously striving hard to achieve excellence. All most all meeting were chaired by the respected Vice-Chancellor including outside and inside members. All offer their valuable suggestions for improving the quality of education of the university. The Vice-Chancellor stressed upon certain issues like publication of a consolidated brochure of the university consisting of different academic/administrative/financial activities, documentation of all activities by the Departments and Centers and central facilities of the university, collaboration research, and extensive outreach programmes to be undertaken by the University and signing of MoUs with HEIs of national/international repute. He offered various measures to recover from the devastating impact of the cycle Phailin and to march ahead in the process of restructuring the University.

After thorough discussion, the following resolutions were made:

- Formation of a Core Committee consisting of three faculty members for on-spot visit to the Departments and the Centres.
- To convene interface meetings under the chairmanship of the Vice-Chancellor with HODs/Directors of the Centres/Coordinators of Self-Financing Courses/Officers in order to make the NAAC Re-accreditation process viable and fruitful.
- To take care of various research projects on social issues, environmental protection and disaster management.
- To evolve fool-proof mechanism for dissemination of information with regard to employment, research facilities and other earmarked areas in order to facilitate students in their professional career.
- Discontinuation of the old website of the University and preparation of a well-designed University brochure.
- To take steps to facilitate the signing of MoUs in consultation with MoU Committee of the University and to formulate modalities for organizing Patent Awareness Programmes.
- To develop an evaluation format required for evaluation of teachers as per NAAC guidelines.

### Activities

- Initiatives are taken to integrate and include ICT-enabled learning.
- The University is planning to opt for CBSC in order to facilitate horizontal mobility in all its academic programmes.

- The University has taken new initiative to offer some more job-oriented self-financing courses.
- Elective options are limited and University is initiating steps in this regard.
- Incorporation of feedback from the stakeholders needs to be formalized in a systematic way.
- Initiatives have been taken for structured admission for Ph.D./M.Phil. Programmes as per the new UGC guidelines.
- The sensitivity towards differently-able students is a challenge and the University is aware of it.
- The University has initiated systematic evaluation of teachers by students, which needs to be strengthened further.
- ICT-integration in teaching-learning needs to be expanded. The University has taken steps to facilitate smart classrooms to every Department.
- Teacher vacancies need to be filled-up on a priority basis.
- Reforms with regard to UG/PG and Ph.D. evaluation have been initiated as per UGC Guidelines, 2009.
- Though the answer scripts are supplied to candidates under RTI, the University is yet to introduce the system of supplying photocopy answer scripts to aggrieved students to make evaluation process more transparent.
- Learning outcomes of the academic programmes needs to be documented for strategic realization.
- Efforts to make the campus Wi-Fi needs to be materialized on priority basis.
- Though the teaching faculties operate a few Major Research Projects, motivation is given to avail more research projects from UGC and other funding agencies.
- Interdisciplinary research is to be broadened
- Obtaining special assistance from UGC for some departments is under process.
- Steps are taken in research to acquire patent rights, especially in Science and Technology Department.
- Upgradation of research facilities in Social Science Departments needs further attention.
- The University proposes to initiate steps to participate in Shodhganga (Indian Repository of Ph.D Theses) in order to have a benchmark in research at the national and international levels.
- The University proposes to constitute an Industrial consultancy Cell taking into account the expertise available within the Departments.
- Industries, NGOs and other government extension agencies need to be involved in extension and outreach programmes.
- Collaborative linkages with Universities, Research Institutes and Industries in order to facilitate exchange programme, visit of eminent scientists from reputed foreign and Indian Universities, crating student internship opportunities and enhancing the placement opportunities are the need of the hour. Proactive steps need to be initiated to associate the stakeholders.
- A structured mechanism to review the institutional linkages and collaborations periodically need to be institutionalized.

- Ramps, separate rest room facilities for PG Departments and separate section in the library are required for the differently-able students, scholars, teachers and employees.
- Total automation of the Library is underway.
- E-Governance and e-dispatch needs to be fully operational.
- Budgetary allocations should be made for computers through AMCs.
- Some Departments have alumni associations but the authority has to make it mandatory for the all Departments.
- A Placement Assistance Cell needs to be established in the University to guide the students and organize on-campus recruitment drives by the industries and organizations.
- A structured mechanism to monitor students' progression to higher education and employment needs to be evolved.
- Student participation in administrative and welfare bodies of the University needs to be further strengthened.
- Goal-oriented long term perspective plan needs to be envisioned by the University to draw the future roadmap.
- A system of External Academic Audit is to be introduced to evaluate the quality of the programmes.
- The University needs to establish and ASC with UGC funding to organize Refresher Courses, Orientation Programmes, training programmes, computer programmes for teachers and administrative staff for their academic growth and professional development.
- Welfare schemes for the staff need to be augmented.
- University initiated steps to have a Solar Power System and it has also initiated measures for energy conservation.
- Proposal of Waste Water Management System and Hazardous Waste Management System are in the pipeline.

The fourth meeting held on 03.03.2015 was chaired by the Vice-Chancellor and attended by 10 members including external member Dr. Pradeep Kumar Panigrahi, Minister of Higher Education, Science & Technology, Govt. of Odisha representing local community.

- To discuss the action-taken report of IQAC proceedings on 18.07.2014 that was placed by the Director, IQAC.
- To finalize the measures to be taken with regard to Quality Enhancement/Sustenance between 18.07.2014 to 02.03.2015.
- Members of IQAC opined on the mechanisms to be followed for Quality Enhancement/Sustenance.

## CAREER AND PLACEMENT CELL

The Career and Placement Cell of the Berhampur University plays a vital role in helping the students of different P.G. departments of the University to find placement in different sectors. The contemporary job market is very demanding in the sense that the employees are usually expected to be skilful in many ways. Some of the required expectations are good communication skills, analytical skills, motivational skills, problem solving tactics, etc. In view of the objectives of the job market, the placement cell provides career counselling and extends both on campus and off campus employment opportunities to all the students in collaboration with different P.G. Departments of the University. The students are thus helped to gain enough exposure which in turn helps them to enhance their skills and knowledge. Thus groomed, the students automatically get selected to different employment sectors in India and abroad.

### Aims and Objectives

- Identify job potential areas for the students in their respective discipline
- Explore the job opportunities and possibilities for the students, to be recruited in various fields of job sectors.

### Infrastructure Facilities

- One Conference Hall for pre-placement talk and conduct of examination in the Business Administration Department;-01
- Class Rooms: 02
- LCD Projector: 01

### Total Staff Including Technical Staff

- Coordinator:-01
- Senior Asst.:-01
- Attendant:-01
- (Technical staff on part time basis from Business Administration Department)

### Future Plans

- Provide Career guidance to the students from the external experts.
- Give exposure to students about career and placement in their respective disciplines.
- Establish of network with different corporate and agencies.
- Prepare the students so as to make them employable.



## CULTURAL CELL

Since inception of the university, focus has been laid down on promoting socio cultural activities and competitions through Berhampur University Choir/ Orchestra. One faculty member usually is appointed as Director/ Cultural Coordinator to facilitate in conducting the events/ competitions among the bonafide student participants. There is an Advisory Committee to guide, assist and prepare budget and modus operandi in conducting various cultural activities under the direct supervision and coordination of the Cultural Coordinator. Every year the Cultural Coordinator organizes the Inter-College cultural competitions among the student participants from various affiliated colleges to Berhampur University on 15-20 events. Then the University contingent shall be constituted to take part in Inter University Zonal Youth Festival which is organized by Association of Indian Universities, New Delhi in collaboration with one of the Universities. The University organized for the first time the East Zone Inter-University Youth Festival during 17-21, December, 1991. Sponsored by the Ministry of Skill Development, Entrepreneurship, Youth Affairs and Sports, Government of India., Berhampur University successfully organized 30<sup>th</sup> Central Zone Youth Festival during November, 25-29, 2014.

### Aims and Objectives

- Promote socio cultural skill development through different events.
- Promote fellowship, brotherhood among participating students from different colleges and universities.
- Bring out an exposure to various special skills including holistic personality development.
- Achieve the goal of “Unity in Diversity” through conducting such Youth Festivals.

### Activities at a Glance during 2010-2015

#### 2011-2012

- Inter College Competition on 13.11. 2011. Competition on 08 events was organized.
- Organized Winter Fest -2012 during 5th-7th January, 2012.

#### 2014-2015

- Inter College Competition during November 11th-12th 2014. competition on 15 events was organized.
- 30th Inter University Central Zone Youth Festival organized during November 25th-19th 2014. Competitions on 25 events were organized among 729 participants from 22 Universities of India.
- Cultural Coordinator extended help and guidance to the Student’s Union, Berhampur University in organizing different talent contest March 2015.



**Inagural Function of Yuva Prativa Parva – 2-14**



**Yuva Prativa Parva 2014**

## CURRICULUM DEVELOPMENT CELL

The “Curriculum Development Cell” is functioning since the establishment of the University. The cell is headed by the Deputy Registrar Berhampur University with coordination from various disciplines such as Arts, Science, Commerce, Management, Pharmacy, Computer Science and Electronic Service..

### Aims and Objectives

- Develop the curriculum, syllabi and look for new sources required for the various courses run by the University. It needs to maintain and promote an ambiance of creativity, innovation and improving quality.
- Promote faculty recharge programmes and skill development for students.
- Implement Choice Based Credit System in the affiliated colleges of the University.
- Develop programmes to improve general competencies and skills.
- Introduce inter/multidisciplinary studies.
- Preserve value based education.
- Encourage women empowerment and related issues.
- Prepare the students from rural and backward areas to meet the emerging social challenges and demands in the regional, national and international levels.

### Future Plans

- Implement different quality management strategies to propel the growth and development in various aspects of academic and administrative fields. The University is bound to provide value based education combined with social responsibilities to the student community.
- University has a plan to accommodate the Cell in a separate building and to constitute an Advisory Committee to execute and review the activities of the Cell.

The Cell is envisaged as the source of thoughts which will mentor and monitor the methods of education offered.

## EQUAL OPPORTUNITY CELL

“University Equal Opportunity Cell” was established in the year 2012. The main purpose of the Cell is to provide career counseling, on campus and off campus employment opportunities to students belonging to the SC, ST, OBC and minority communities. The Cell works in collaboration with different P.G. Departments of the University. It is an innovative cell of the University funded by UGC through which the SC, ST, OBC and minority students get an opportunity to enhance their communication skills, soft skills and to have a career of their choice. The Cell is managed by the Coordinator along with other three supporting staff.

### **Aims and Objectives**

- Provide career guidance, employment opportunities and placement facilities students belonging to the SC, ST, OBC and minority communities of the University.

### **Infrastructure Facilities**

- One Conference Hall for pre placement talk and conduct of examination in the Business Administration Department 01
- Class Rooms 02
- LCD Projector 01

### **Details of Activities Undertaken during June 2010-May 2015**

Year	Activities undertaken	Number of participants	Outcome of the activities
2012-13	<ul style="list-style-type: none"> <li>• Communicative English</li> <li>• Personality Development and Etiquettes</li> <li>• Employability Development</li> </ul>	25	<ul style="list-style-type: none"> <li>• Improvement in Communication Skills.</li> <li>• Improvement in Soft Skills</li> <li>• Development of students' CV</li> </ul>

\* After 2012 the UGC grant for EOC has been stopped.

### **Future Plans**

- Provide career guidance to the students from the external experts.
- Develop data base of the various P.G Departments of the University.

## EARTH SCIENCE & TECHNOLOGY CELL (ESTC)

The Berhampur University signed an MOU with, “Department of Ocean Development” (DOD), Government of India on January 15, 1998 and thereby Earth Science and Technology Cell (ESTC) was established as an autonomous cell, on Marine Coastal Ecology. The Cell focuses in promotion and implementation of advanced studies and research on marine coastal ecology.

### Aims and Objectives

- Encourage and promote the potential of research in frontier areas of the designated field through projects, operative at the Cell and generate projects after peer review at several stages.
- Manpower development programmes in various forms, such as: research projects, conducting workshops, seminars, symposia, short term training programs etc. Preparation of course curricula and database for coastal ecology for dissemination of information in identified thrust areas.
- Promotion and linkage of activities of ESTC, Berhampur University with other research institutions/industries in and outside the country for exchange of ideas/ knowledge through collaborative planning.
- Human resources development and socio-economic uplift of people of the coastal areas through such studies and research, and to perform many other important functions.

### Thrust Areas

The whole gamut of scientific observations and research in the domain of marine systems has been divided into several thrust areas by the DOD. The following thrust areas are identified for ESTC, Berhampur University.

- Biodiversity of coastal ecosystem
- Plankton ecology and productivity
- Coastal pollution and control
- Environmental impacts of coastal aquaculture
- Coastal microbial ecology
- Socio-economic aspects of coastal ecosystem

### Infrastructure

To carry out research activities independently in the areas of marine coastal ecology, the OSTC has developed adequate infrastructure facilities which are accessible to research personnel involved in the DOD – funded projects. The Cell has two laboratories – one wet laboratory for carrying out chemical analysis work and the other one, dry laboratory that houses computers and various equipments like:

- UV Spectrophotometer
- BOD Incubator
- Centrifuge
- Water Bath

- Digital Monopan Balance
- DO meter

In addition to the above, Remote Sensing and GIS facilities are available in the Department of Marine Sciences. However, the Cell is making all out efforts to acquire other sophisticated equipment, relevant to the field of marine ecology from DOD funds.

### **Projects**

Since its inception in the year 1998, the ESTC has received over 100 project proposals from the research scientists and academicians of different institutions covering the identified thrust areas of coastal marine domain. The details of the research projects completed over the years and those are now under progress are given herewith.

### **New Research Proposals**

New research proposals on the earmarked thrust areas in prescribed DOD formats (available at [www.dod.nic.in](http://www.dod.nic.in)) are invited periodically from the scientists and academicians working in universities, colleges, scientific institutions, etc by the ESTC through advertisements that appear in the Current Science.



## MUSEUM AND ARCHIVAL CELL

The Department of History has a Museum/Archival Cell consisting of sculptures, coins, palmleaf manuscripts, tribal artefacts, brass objects, paintings, rare books, journals, reports, gazetteers, private papers, etc. To procure, these materials a long term survey work has been done on South Odisha for a number of times. Based on their survey collection, the materials have been checked and enlisted in the catalogue. Further, they have been classified, labelled and scientifically preserved. The Museum has also got modern facilities for chemical repair, restoration works for antiquities and archival materials. The objects are being inspected in regular intervals and necessary chemical application and repair work are being done in scientific manner by the officer-in-charge. There are proper arrangements for the researchers in the museum for consultation of archival and other archaeological materials.

### Aims and Objectives

- Acquire, maintain and preserving the rare books, manuscripts, rare papers of India with particularly with reference to Southern Odisha.
- Preserve and displaying them scientifically.
- Provide facilities for research scholars.
- Provide technical assistance in respect of Records Management.

### Sections

The museum has been classified in different sections such as:

- A. **Numismatics:** The numismatics collection of the museum has a collection of gold and silver casted coins of Sultanate and Mughal period.
- B. **Sculptures:** The museum procures a place to preserve various stone sculptures of some local ruling families. Even plaster cast objects of some Indian Monuments enrich the museum.
- C. **Tribal Artifacts:** A programme was undertaken to survey the tribal areas of Southern Odisha. The Articles collected from the districts of Koraput and Phulbani are placed in the Museum. They are (i) Household Articles, (ii) Musical Instruments (iii) Ornaments, (iv) Hunting Weapons.
- D. **Brass Metal Objects:** Some images made out of brass metal and articles like animals, fruits and ritual objects particularly utilized in the festive occasions (Margasiro month) of high standard craftsmanship have been added to the collection.
- E. **Paintings:** Paintings and sketch of high quality drawn by the students of Khallikote Craft College have also been collected and displayed in the museum.
- F. **Palmleaf/Bamboo Manuscripts:** The palmleaf and bamboo manuscript collection comprises Puranas, Epics, Alankara, Tantra, Astronomy, Ayurveda, Grammar, etc. The illustrated manuscripts of Ramayana, Nabagraha, Kundalis enhance the importance of the Museum collection.
- G. **Archival Materials:** The archival section comprises rare books, journals, reports, gazetteers, maps, proceedings and private papers. They were collected from the different palaces viz., Badagada, Badakhemundi, Tekkali, Icchapur and Library collection of Brajamohan Padhy and Antarjyamee Pati. At present 9,000 books including rare books, journals are there in the Museum.

H. **Oral History:** Southern Odisha produced many literary figures, freedom fighters and social reformers. In order to preserve their memories and valuable talks, oral history programme was introduced by the Archival Cell. Their speeches and interviews are recorded with the help of tape recorder and kept in the Museum.

Along with this, Photograph of antiquities, temples, mathas and sculptures have been preserved in the photo-archival cell to cater the needs of the researchers.

A descriptive catalogue of palm leaf manuscripts have been published by this Archival Cell. The catalogue of the cell also includes:

- Alphabetical title index of Odia rare journals viz. Sahakara, Sankho, Nabeena, Naba Jeevan, Naba Bharat, Utkal Sahitya, etc..
- Alphabetical title index of the English rare journals, viz., Prachi, Kalinga Historical Research Journal, Journal of the Bihar and Odisha Historical Research Society, Andhra Historical Research Journal.
- Research books on some aspects of the History and Culture of South Odisha.

### GRIEVANCE REDRESSAL CELL

Every year grievance redressal cell of the post graduate departments is constituted under the supervision of the Chairman P.G Council, consisting of several members from teaching community along with other officers of Berhampur University. In addition to the members appointed other than the staffs, two student's representatives –one male and one female are nominated by the Chairman P.G Council as members. The Administrator Officer, Central Office is usually appointed as the convener of the cell. The committee usually constitutes under the orders of the Honorable Vice Chancellor, Berhampur University.

The cell meets as and when required, in order to address the grievances of the students from time to time.

The University carries a future plan: Its motto is to redesign the cell and to expand it for teachers and non-teaching employees too.

### STUDENT ADVISORY/MONITORING CELL

The Student Advisory-Monitoring cell is constituted every year by the Chairman, P.G Council, Berhampur University subject to the approval of the Vice Chancellor, Berhampur University. The chairman, P.G Council usually functions as the Head of the cell supported by the advisor, associate advisors, the administrative officer of central office and the students welfare officer.

The cell is further supported by the class representatives elected from each class of P.G Department to the students union and other sister associations. The cell addresses the student's problem of different kinds by mediating between the students and appropriate university government authorities.

The cell carries the prime responsibility to monitor all the student related activities such as student elections, organization of different meetings of the students union, cultural activities and the annual day celebration of the students union.



## COMPLAINT COMMITTEE ON SEXUAL HARASSMENT OF WOMEN AT WORKPLACE

There is a confusion and ignorance about women rights, question of sexually, interaction among peers, norms of masculinity and femininity. In educational institutions and work places in almost all sectors women are harassed and tortured. In order to prevent such situations and to provide justice to work and study without fear of harassment, as per the direction of U.G.C, a committee is functioning since 2010 in Berhampur University. To understand the occurring situations against women, the University Complaint Committee on Sexual Harassment against Women at Workplace is constituted with Prof. Aparajita Choudhury, as Chairperson since 2010.

### **Aims and Objectives**

- The Committee will deal with the cases / complaints of sexual harassment of the female students, teaching and non-teaching women staff of the University.
- The Committee shall process all the individual complaints and take suitable action thereon in the manner and mode as per the sexual harassment of women at workplace (As per Prevention, Prohibition and Redressal) Act 2013.
- The Committee shall be accountable to the Vice-Chancellor.

### **Activities**

Since the formation of this Committee, it has not received any serious complaints related to women harassment. Minor verbal complaints if any received from the students are being resolved amicably. The University maintains a cordial and healthy atmosphere in this respect.

**UGC COACHING CENTRE FOR SC, ST, MINORITIES AND OBC STUDENTS  
(NON-CREAMY LAYER) (XII PLAN MERGED SCHEME)**

The UGC Coaching Centre for SC, ST Minorities and OBC students (Non-Creamy layer) had its beginning in the year 2012 in this University with one Coordinator. The centre offers coaching to the students under three different UGC coaching schemes (XII plan) such as UGC-NET Coaching, Competitive Examination Entrance Coaching and remedial coaching in various subjects. The coaching classes commenced on all working days including holidays and Sundays by both internal and external resource persons. Each batch as a unit carries minimum of 25 numbers of students according to the UGC- guidelines. The coaching classes are scheduled in the morning session from 7.00 am to 10.00 am and in the evening session form 4.00 pm to 6.00 pm. In addition to this, study materials were also provided to the students for their convenience. From the year 2012- to 2015, 463 numbers of students have been enrolled and received coaching from the Centre.

### Aims and Objectives

- Provide coaching and career guidance among SC, ST, Minorities and OBC students. (Non-Creamy layer)
- Organize coaching and capacity building for competitive examinations.
- Conduct remedial coaching for strengthening theoretical knowledge.

### Details of Activities Undertaken during June 2012- May 2015

**Table-1**

Sl. No.	Coaching Programme	2012-13				
		SC	ST	OBC	PH	Total
1	UGC-NET	30	12	83	-	125
2	Competitive Exams Aptitude (CSAT) coaching	30	12	43	1	86
3	Remedial Coaching: a. Computer Skills b. Communicative English	15	7	32	-	54
Total						265

**Table-2**

Sl. No.	Coaching Programme	2013-14				
		SC	ST	OBC	PH	Total
1	UGC-NET	15	4	20	-	39
2	Competitive Exams Aptitude (CSAT) coaching	15	4	27	-	46
	Remedial Coaching: Biological Science	15	4	19	-	38
Total						123

Table-3

Sl. No.	Coaching Programme	2014-15				
		SC	ST	OBC	Minorities	Total
	UGC-NET	11	07	15	1	34
	Competitive Exams Aptitude (CSAT) coaching	14	12	14	1	41
Total						75

### Future Plans

- Provide coaching and career guidance to the students by external experts.
- Facilitate capacity building among students of Marginalized communities among P.G. Departments of the University.
- Organize workshops on soft skills and communicative English with different agencies.

It is an affirmative initiative of the University through which the SC, ST, Minorities and OBC students are provided with an opportunity to enhance their knowledge and other skills and to have a career of their choice.







### ALL INDIA SURVEY ON HIGHER EDUCATION (AISHE) CELL

Higher education is a powerful tool to build knowledge based society of the 21st Century. India possesses a highly developed higher education system which offers facility of education and training in almost all aspects of human creative and intellectual endeavours. The official statistical system plays a key role in any society, especially, in a large and diverse democracy. The basic principle of the system is that it must be completely independent and transparent. In view of the above, Ministry of Human Resource Development (MHRD) initiated an All India Survey on Higher Education (AISHE) in the year 2010-11 with reference date of 30th September, 2010 to build a robust database and to assess the correct picture of Higher Education in the country. The survey covers all the Institutions in the country, engaged in imparting of higher education. Therefore, Berhampur University setup an All India Survey on Higher Education Cell in the year 2011. The cell is headed by the Nodal Officer, appointed by the Vice Chancellor of the University. Every year the data of the University is uploaded in the month of September.

#### **Aims and Objectives**

- Identify and capture all the affiliated colleges under the jurisdiction of Berhampur University.
- Collect of data on various parameters like institution's basic details, teacher's details, student enrolment, details of non teaching staff, examination results, education finance, infrastructure, scholarships, loans, accreditation, programme conducted under various faculties/centres, scholarship and financial information.
- Help the Government of India to calculate Institution Density, Enrolment Ratio, Pupil-Teacher Ratio, Gender Parity Index, useful in many policy decisions and research for development of education sector.

#### **Details of Activities Undertaken during 2011-May 2015**

<b>Year</b>	<b>Activities under taken</b>	<b>Numbers of participants</b>	<b>Outcomes of the activities</b>
2010-11	Awareness programme of finance.	12	Transaction of financial matters.
2011-12	Awareness programme of P.G Council.	8	Detail discussion on enrolment of students.
2012-13	Awareness programme of Examinations Sections.	10	Results of the different Examinations.

2013-14	Awareness programme of the Establish Section.	12	The position of the teaching and non-teaching staff.
2014-15	Workshop on AISHE for Nodal officers	150	To make aware the Nodal officers of the different colleges for collecting and uploading the respective data in the website.

**Grants Received During (2010-15) with the Name of the Funding Agency**

- Funding Agency MHRD, New Delhi; 2013-14, Rs.56,245.00.

**Future Plans**

- Expand infrastructure facility of the cell.
- Conduct of regular workshop and training for the Nodal officers of affiliated colleges.

## FACILITIES

## BIJU PATNAIK AUDITORIUM

The Berhampur University is having a Auditorium named as '*Biju Pattnaik Auditorium*', named after the former Chief Minister of the State Late lamented Biju Patnaik who was also bestowed with the award of '*Bhumi Putra*' by the Government of Indonesia. This auditorium was established in the year 2006 with a seating capacity of 706 people. It is well furnished with Central air-conditioned facility, along with a good and wide stage and two green rooms.

The auditorium has also been enabled with special lights like stage lights with dimmer control, mike plug sockets, cordless mikes, wheelchair access, facility for power points, etc. The auditorium is surrounded with a beautiful garden and has a large parking space. The auditorium is an ideal venue for large conferences, seminars, invited lectures and cultural programmes of all kinds. The University organizes different types of meetings, conferences, seminars, workshops, Foundation Day and Annual convocation day in this Auditorium.



**Biju Patanik Auditorium**



## BANKING FACILITIES

The State Bank of India, Bhanja Bihar branch the has established in the year 1980. It functions from 10 am to 4.00 pm from Monday to Friday and on 1<sup>st</sup> and 3<sup>rd</sup> Saturdays. It is well equipped with modern facilities with 15 staffs including Branch Manager.

- Facilitates students of regular and distance education programmes to pay their fees via online as well as in its designated counter.
- Offers services such as Savings Account, Current Account, Term Deposit, Foreign Exchange Services and Core Banking, etc. facilities.
- Provide e-banking and Green Channel Counter (GCC)

The Bank has set up two Automatic Teller Machines (ATM); one near the bank and another at the Administrative Block of the University.

Another Bank i.e., Canara Bank, has already been allowed to start functioning in the University Campus. This bank will provide additional facilities to the students and other stakeholders of the University.



State Bank of India, Bhanja Bihar Campus

## CANTEEN

A central canteen for the students with capacity about 50 was started in the year 1980. It is managed by private firms approved by the University authority. It works throughout the week. It provides meals (vegetarian and non-vegetarian) and snacks.



## CHILDREN'S PARK

The provision for a Children's Park was made in the year 2000 covering an area of 1500 square feet which adds aesthetic beauty to the environment of the campus. It is adorned with recreational facilities such as the seesaw, merry-go-round, slide, jungle gym, spring rider, monkey bars,

overhead ladder, trapeze rings, playhouses, and mazes and many of which help children to develop their physical coordination, strength, and flexibility. It also provides recreation and enjoyment of the children.

Children of the campus dwellers play cricket, badminton and many more games inside the park. However the park has lost its identity during the cyclone Phailin in the month of October 2013. Renovation plans are in the pipeline.

### DEER PARK

The Deer Park of the Berhampur University come into being in the year 1989 over an area of 2.2 acres with an objective to provide recreational facility and to create awareness about conservation of wildlife, primarily among the students and visiting public. It is situated in the central part of the campus. The Veterinary Doctor, from nearby Dispensary at Korapalli, is being consulted for routine health check-up of the animals. An attendant is appointed by the university authority to look after daily routine activities of the Deer Park. The visitors are allowed to see the exhibits from outside the fenced area of the Mini Zoo. Since its inception, the University itself has been bearing all the expenses of the deer park from its own funds. At present the population of deer is 50 which includes 20 males, 22 females and 8 young ones.

This Deer Park has got the status of '**Mini Zoo**' by the "Central Zoo Authority of India" in 2009. But the Mini Zoo status was valid up to 31.03.2010 and subsequently derecognized. The deer are given specified deer feed daily, procured from the Orissa Agro Industries Corporation, Bhubaneswar supplemented by the green fodder and fresh drinking water. Recently, The University authorities have requested the Department of Forest, Government of Odisha for taking over the management of Deer Park and it is under process.

### EMPLOYMENT INFORMATION AND GUIDANCE BUREAU

The University Employment Information and Guidance Bureau has been functioning since 18<sup>th</sup> December, 1973. It has been accommodated in a separate building provided by the University in its campus.



DEER PARK IN THE UNIVERSITY CAMPUS

The jurisdiction of this Bureau extends over seven Revenue districts of Ganjam, Gajapati, Koraput, Rayagada, Malkangiri, Nabarangapur and Kandhamal. Over the years, the Bureau is serving the registrants, job-seekers, students and alumni of the University and other organizations and employers. In this respect, the primary aim of the Bureau is to provide information about various jobs and to guide the students in getting employment in different Organizations/Government. The Bureau is a unit of National Employment Service of Government of India and its policies and procedures are being guided by the D.G.E & T., New Delhi from time to time. The Director of Employment, Odisha, Bhubaneswar is the controlling authority of this Bureau.

### **Aims and Objectives**

- Registration of the Names of the Post-Graduate, Technical and Professional Graduates.
- Providing information on availability of various courses and information for higher studies in India and abroad, admission, research, fellowships, scholarships and employment opportunities in paid and self-employment.
- Rendering vocational guidance to the Registrants individually and in groups.
- Acquainting unemployed youth with the facilities and incentives available under self-employment programmes.
- Maintaining Career Information Room in this Bureau.
- Providing occupational information and programmes.
- Organizing various career counseling programmes.

### **Activities of the Bureau**

#### **Registrations**

In 2014, a total number of 2255 applicants including 1113 women, 284 Scheduled Castes, 114 Scheduled Tribes, 44 Physically Challenged persons and 27 candidates belonging to Minority Communities have registered their names under different categories like Arts, Science, Commerce, Law, Medicine, Engineering and Trained Graduates. The Live Register position has 6737 candidates including 2621 Women, 772 Scheduled Caste applicants, 296 Scheduled Tribe applicants, 104 Physically Challenged persons and 103 Minority Community applicants.

#### **Occupational Information**

The Bureau has collected and maintained up-to-date career information, guidance leaflets, posters and relevant information related to research, scholarship and fellowships available to study in India and abroad. Different kinds of Career Magazines, Employment News, Daily Newspapers and Career Bulletins brought out by different UEI and GBs are regularly procured by this Bureau. This Bureau publishes a quarterly career bulletin.

#### **Vocational Guidance**

The Employment Officer of this Bureau has guided the candidates who got their names registered in this Bureau to go for self-employment.



## FACULTY CLUB AND EMPLOYEES' RECREATION CLUB

The Faculty Club is located in the heart of the campus. It provides platform for overall recreation of the faculty members. Further, it also provides temporary accommodation for the teachers as and when required.

Employees' Recreation Club provides the necessary infrastructure for organizing various social and cultural functions for the University employees.



Faculty Club



Employees Recreation Club

## GUEST HOUSE

The University Guest House provides accommodation to the Guests of the University and other dignitaries of India and abroad who visit the University for different purposes. It provides the greenery view of the surroundings. It is managed by the University and provides good catering facility with reasonable rates.

Various types of rooms such as 04 Double AC, 04 Single AC, 04 Single Non-AC and 02 VIP rooms at par with national and international standards are available with total strength of 20. There is one Central Dining Hall with a lounge. It caters to the various services for programmes and functions of the University throughout the year.

Further, expansion of the Guest House has been made to cope up with the demands of guests, visiting the University.



UNIVERSITY GUEST HOUSE



UNIVERSITY GUEST HOUSE ANNEX

## HEALTH CENTRE

The University Health Centre was established in the year 1979 to meet the health care needs of the students and residents of the university campus. The Health Centre has facilities for providing preventive and curative Health Care both allopathic and Homeopathic treatment. Further, the service is not only extended to students, staff and their family members but also to the general

public in the neighbouring villages as there is no medical facilities available nearby to treat the patients.

### Working Hours

Morning Session: 09.00 am to 01.00 pm

Afternoon Session: 05.00pm to 07.00pm

In addition, there is 24 hours ambulance service available by the University. The Health Centre is located in a suitable ambiance for an easy access to the patients. To look after the Health Centre and to provide primary health services, following staff are appointed by the Government of Odisha.

- One Allopathic and One Homeopathic doctor
- One Compounder
- One Nurse and One Attendant

### Major Activities undertaken during June 2010-May 2015

Year	Activities undertaken	Number of Patients
2010-11	OPD Treatment	Allopath-11902 Ayush-2184
2011-12	OPD Treatment	Allopath-11202 Ayush-2343
2012-13	OPD Treatment	Allopath-11602 Ayush-3280
2013-14	OPD Treatment	Allopath-11577 Ayush-3457
2014-15	OPD Treatment	Allopath-11748 Ayush-4114

### Future Plans

- Reconstruction and expansion of Building of the Health Centre.
- Construction of staff quarters in the Hospital premises.
- Engagement of one lady doctor and two class IV staff.
- Setting of a Pathology Laboratory with a qualified Laboratory Technician.



PRIMARY HEALTH CENTRE

## HOSTELS

The university hostel system includes six gents' and six ladies' hostels to accommodate the students coming from distant places. All the hostels are spacious, well-furnished and provided with recreational facilities like LED TVs, and indoor games like Carom, Chess, etc.

A Senior Professor remains in-charge as the Warden and has complete administrative power over the University hostels. However, each hostel is managed by Superintendent, Asst. Superintendent along with an Office Assistant and a Bearer.

### Gents' Hostel

Sl. No.	Name of the Gents' Hostels	Strength of Boarders
01	Rushikulya Boys' Hostel (P.G)	102
02	Nagabali Boys' Hostel (P.G)	110
03	Banshadhar Boys' Hostel (P.G)	100
04	Indravati Boys' Hostel (P.G)	80
05	Bahuda Boys' Hostel (P.G)	60
06	Jogendra Research Hostel (Ph.D)	30

### Ladies' Hostel

Matrons are appointed in all ladies' hostels for smooth conduct of the hostels. The entry into ladies' hostel is restricted to 06:30 pm during winter and 07:30 pm during other seasons. The hostels are guarded (24x7) by watchmen and security personnel. Mess facility is made available in ladies' hostels.

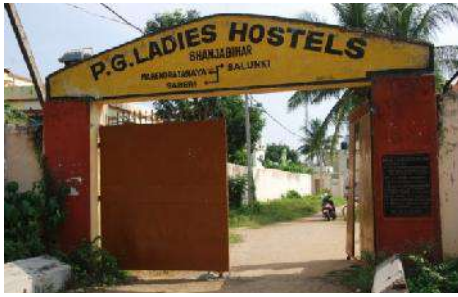
Sl. No.	Name of Ladies' Hostel	Strength of Boarders
01	Mahendra Tanaya Ladies' Hostel (P.G.)	102
02	Saberi Ladies' Hostel (P.G.)	120
03	Salunki Ladies' Hostel (Ph.D)	63
04	Jhanjabati Ladies' Hostel (M.Phil)	35
05	Dhanei Ladies' Hostel (P.G.)	40
06	Kolab Ladies' Hostel (P.G.)	40

Boarders are very much satisfied with the existing facilities available in the campus.

### Future Plans

- Construction of ladies' hostel with 400 capacities.
- Provision for Central mess facility for both ladies' and gents' hostels.





**Entrance Gate of Ladies Hostels**



**Sabari Ladies Hostel**



**Rushikulya Boys Hostel**



**Dhanei Ladies Hostel**



**Bahuda Boys Hostel**



**Research Scholars Hostel**



**Bansadhara Boys Hostel**



**Nagabali Boys Hostel**



**Indravati Boys Hostel**





## MARKET COMPLEX

The University has set up two shopping centers namely “Deepa Market” and “Anand Bazaar” in the year 1982 and 2010 respectively. This had aimed at providing the basic needs of students, campus dwellers and others. It also helps the visiting persons and people living in nearby villages. Cyber Café, Photocopy Centre and Medicine store fulfill the necessary requirement of the residents of the University campus.



**MARKET COMPLEX**

## NURSERY INTERPRETATION CENTRE

After the downfall of the cyclone “Phailin” in October 2013, Berhampur University turned to appear as a desert. Greenery and the charm of the campus were totally devastated. Thereby Berhampur University decided to make the campus more colourful and eco sensitive and took the initiative of growing up a nursery covering 0.5 hectares of land which is managed by the Forest Department, Government of Odisha. The Nursery has developed one lakh Timer, ornamental and medicinal species plants. Horticulture garden with trees like Mango, Coconut, Guava, Pomegranate are planted across the Campus, so as to create a pollution free environment.

Recently the Nursery has developed the Herbal Garden with 108 species in between P.G Departments of Commerce and Business Administration. It is a matter of great satisfaction that the visitors to the University Campus are tremendously impressed by the cleanliness of the campus. In every monsoon, varieties of saplings are planted in various locations in the campus. The NSS wing including students volunteers, Coordinators, Programme Officers of the University organize plantation drive from time to time to make the campus greenery and giving it a pleasant look.





## PLAYGROUND



Berhampur University believes in the philosophy “healthy mind in a healthy body”. So the University is not only a centre of academic interest but also gives the students ample opportunity to develop their skills and make them physically strong. The University has a very good play ground covering 60000 square meters. The playground has the facilities of two Basketball Courts, Volley Ball Court, Football ground and 400 Mts track. In addition Gymnasium, Indoor Shuttle Badminton Court, Table Tennis courts are also there for all the stakeholders.

Sport complex is equipped with gym and with latest fitness equipment. Irrespective of the heat rain or cold, a regular crowd of students playing game is always found in the playground. These facilities provide a unique blending of art and technology which ignites the young mind for innovative and creative thinking.

## POST OFFICE

The University has a Post Office with five employees including Sub-Post Master. It was established in the year 1967 under the control of Government of India. It functions from 10 am to 5.30 pm. It provides services to the University, campus dwellers and nearby villagers by distributing posts in time.

It offers facilities like the Registration of Letters and Parcels, Speed post, IPO, EMO, Saving Bank and core banking. There is a plan to transform the Post Office into an Arrow Post Office in near future.





### POLICE OUTPOST

There is a Police Outpost was set up in the University campus in the year 1980 to maintain law and order and to instill a sense of security among the students, residents and nearby village dwellers. It enables the University administration to handle any crisis situation. It also wards off untoward happenings by patrolling during the night. It is very helpful as the students study and undertakes research mostly in the library and different departments late evening. This facility is in accordance with UGC guidelines on safety of students on and off campus of Higher Education Institution circulated in April, 2015

### STAFF QUARTERS

Berhampur University provides residential facilities to its teaching and non-teaching employees. In the midst of greenery campus of the University, the quarters are made available for the staff. The quarters are well-furnished and connected by road. The quarters are provided with water supply and electricity. These are renovated periodic intervals. Safety arrangement is given the utmost importance in order to ward off any occurrence of untoward incidents. At night, safety and security is maintained through the patrolling by the personnel security wings of the University. The residents have easy access to the market for their daily needs. The dwellers can avail medical facility in the campus and ambulance facility is also provided during the time of their emergency. The local buses are available for transportation to travel to different places in and around the city. The University bus facility is also available at scheduled time to go to Berhampur city and Chatrapur.

There are different types of quarters made available to teaching and non-teaching staffs and officers of the University as detected below:

	Type	Number(s)
<b>QUARTERS</b>	Residence of the Vice Chancellor	01
	'A' Type	10
	'B' Type	17
	'C' Type	12
	'D' Type	52
	'E' Type	18
	'F' Type	16
	'G' Type	92
	'H' Type	84

## SECURITY

The Security wing of Berhampur University is entrusted to provide security and safety to all campus dwellers including students, teachers, scholars and staff members as well as to safeguard the assets of the University. It consists of a Government of Odisha with DSP Rank and assisted by one Security Advisor, one Campus supervisor and 12 watchmen.

### Aims and Objectives

- Ensuring discipline and safety in the campus and ensure that the peace and tranquility of the campus remain unhampered.
- Providing aid and assistance to the campus dwellers in their hours of need or in emergency situations.
- Investigating the case of unusual occurrences on the campus and to report such occurrences to the higher authority.
- Night patrolling of all Hostels, Departments, office and staff quarters.

Further, there are plans to enhance the number of watchmen and frequency of night patrolling.

## TEMPLE



A spiritual initiative was taken by the University for building of a temple complex which consists of Lord 'Shiva' and 'Bhuaneswari' temples in the heart of the campus in the year 1979. Subsequently the temple complex has been expanded to 'Mahavir Hanuman Mandir' and 'Ram Mandir' for greater interest of the devotees. It is a place where the residents of the campus and people of nearby villages have religious gatherings to celebrate various hindu festivals and ceremonies with great devotion.

## TRANSPORT FACILITY

Berhampur University is situated around 12 km away from the city of Berhampur. The University has a fleet of buses for convenience of students, teachers and employees to commute from Berhampur and Chatrapur. The transport facility is meant to ensure safety, comfort and time management for all. Those who opt for conveyance facility have to pay nominal transport fees. As of now, the University has three buses, one mini bus, besides one light vehicle. However students trips are made on hired basis and managed by the P.G Central Office. The students pay transport fees at the time of admission. At the time of departmental picnics, the University buses are made available for the students and teachers to go to the picnic spot within 100 km of distance. Even at

the time of departmental seminars, buses are made available to the concerned department for the convenience of the participants.

### UNIVERSITY HIGHER SECONDARY SCHOOL

The University has taken steps to make education accessible to the children of campus dwellers and villages on the periphery of the University. With this motto, a Secondary School was established in the year 1978 and it was upgraded to Higher Secondary School in 1992. During the last 37 years, the school has been successfully imparting education to the students. It has good infrastructural facilities. The School has two separate wings i.e. the Secondary Wing - from class VIII to Class X and Higher Secondary Wing includes +2 (Arts and Science). The Schools is running under the University Administration. In addition, there is an M.E. School from class I to VII standard run by the Government of Odisha.

Presently in the Secondary Wing, there are seven well qualified teachers including one in Hindi and one in Classical. In the Higher Secondary Wing, there are 11 teachers and most of them possess M. Phil and Ph. D degrees. The Headmistress of the School is the Head of the institution. The policy decisions and other relevant issues are taken by the Governing Body of the School/University Administration, consisting of the Vice-Chancellor and other senior members of the University.

#### Student Strength

Class	Strength
Class VIII	60
Class IX	67
Class X	63
+2 1 <sup>st</sup> year Arts	114
+2 2 <sup>nd</sup> year Arts	109
+2 1 <sup>st</sup> year Science	57
+2 2 <sup>nd</sup> year Science	64

#### Results, 2013

Class	Appeared	Ist Divn.	2 <sup>nd</sup> Divn.	3 <sup>rd</sup> Divn.	Total	% of Marks
Class 10	65	18	30	09	57	88.00%
+2 Science	91	05	12	47	64	70.00%
+2 Arts	59	11	21	13	45	76.00%

#### Activities

In the School, all national and important academic related functions are celebrated by the student. The teachers motivate them in the right direction in Organising these functions and celebrations.

- A mega health camp was organized in school by TATA and NSS Bureau of the University on 24.02.2014.

- Each year all the students take part in the “Independence Day” Celebration in the School campus. Last year in 2014 the National Flag was hoisted by Prof. Ashok Kumar Mohanty, Secretary of School Governing Body.
- Each year “Republic Day” Celebration is being held inside the School Campus. The students perform various patriotic cultural activities such as songs, dance, one play act etc.
- “Swachha Bharat Abhijan programme” was conducted in school premises headed by the Vice-chancellor Prof. Deepak Kumar Behera.
- The Annual Athletic Meet was organized during 18<sup>th</sup> & 19<sup>th</sup> December 2014. Prof. Prasant Kuamr Padhy, Chairman P.G. Council / President of School Governing Body was the Chief Guest and Prof. Bhagaban Sahu, Secretary Sports Council, Berhampur University graced the function as Guest of Honour.
- During Annual Sports Meet and Annual Function, different Co-curricular and extracurricular activities have been conducted to encourage and motivate the students.
- On 19.11.2010, the School conducted a “Career Talk Programme” organised by the “Assistant Director of Employment”, Government of Orissa.



**ANNEXURE**





सत्यमेव जयते  
Government of India

Ministry of Human Resource Development

Department of Higher Education

Statistics Division

New Delhi

# Certificate



U-0350-2010

**Reference No.**

This is to certify that PADMANAVA SAMANTA of Berhampur University, Berhampur has successfully uploaded the data of All India Survey on Higher Education(AISHE) 2010-2011.

( B N Tiwari )

Deputy Director General

**Dated:** 29/10/2015





Government of India

Ministry of Human Resource Development

Department of Higher Education

Statistics Division

New Delhi

# Certificate



**Reference No.** U-0350-2011

This is to certify that **PADMANAVA SAMANTA** of Berhampur University, Berhampur has successfully uploaded the data of All India Survey on Higher Education(AISHE) 2011-2012.

( **B N Tiwari** )

**Deputy Director General**

**Dated:** 24/10/2015





Government of India

Ministry of Human Resource Development

Department of Higher Education

Statistics Division

New Delhi

# Certificate



**Reference No.** U-0350-2012

This is to certify that **PADMANAVA SAMANTA** of Berhampur University, Berhampur has successfully uploaded the data of All India Survey on Higher Education(AISHE) 2012-2013.

( B N Tiwari )

Deputy Director General

**Dated:** 24/10/2015





Government of India

Ministry of Human Resource Development

Department of Higher Education

Statistics Division

New Delhi

# Certificate



**Reference No.** U-0350-2013

This is to certify that **PADMANAVA SAMANTA** of Berhampur University, Berhampur has successfully uploaded the data of All India Survey on Higher Education(AISHE) 2013-2014.

( B N Tiwari )

Deputy Director General

**Dated:** 24/10/2015





Government of India

Ministry of Human Resource Development

Department of Higher Education

Statistics Division

New Delhi

# Certificate



**Reference No.** U-0350-2014

This is to certify that **PADMANAVA SAMANTA** of Berhampur University, Berhampur has successfully uploaded the data of All India Survey on Higher Education(AISHE) 2014-2015.

( B N Tiwari )

Deputy Director General

**Dated:** 24/10/2015

**Annexure-II**

**BERHAMPUR UNIVERSITY**  
**PERSPECTIVE PLAN FOR TWENTY YEARS**

**SUBMITTED TO THE**  
**DEPARTMENT OF HIGHER EDUCATION**  
**GOVERNMENT OF ODISHA, BHUBANESWAR**



**BERHAMPUR UNIVERSITY**  
**BHANJA BIHAR, BERHAMPUR – 760007**  
**(ODISHA)**

## **Establishment of the University**

Berhampur University was established on 2<sup>nd</sup> January 1967 by the Odisha Act 21 of 1966. The area under the jurisdiction of the University extended to the three erstwhile undivided districts of Ganjam, Koraput and Phulbani (except Boudh). This Act 21 of 1966 was substituted by a Common Act for all Universities in Odisha i.e., Act 5 of 1989. The University has been recognised under 2(f) and 12-B of the UGC Act. After the reorganisation of the districts in the State, the districts currently under the jurisdiction of the University are Ganjam, Gajapati, Kandhamal, Koraput, Rayagada, Nowrangpur and Malkangiri. These districts constitute the most socio-economically disadvantaged region of the state. A striking feature of these districts is that there are a substantial number of people belonging to the Scheduled Castes and the Scheduled Tribes. The rate of literacy among these categories of people is very low. All these seven districts under the jurisdiction of Berhampur University have been enlisted by the UGC under the 374 districts with low GER. The University Campus is spread over an area of 250.67 acres and is located at a distance of 12 kilometres from Berhampur city and 5 kilometres away from Gopalpur-on-Sea, the famous sea resort.

## **An Affiliating University**

The University, which is an affiliating one, had started with **11** colleges under its jurisdiction. There were only 4,586 students in these colleges (including Intermediate courses). During the last four and half decades, the number of colleges has gone up to **145**, which includes the Lingaraj Law College, Berhampur, the only constituent college of the University. These colleges have been imparting higher education in the faculties of Arts, Commerce, Education, Medicine, Law, Ayurveda, Homeopathy, Biotechnology, Bioinformatics and Computer Science including Information Technology. The University has the distinction of being one of the few universities in India to offer courses on Military Sciences. The Army Air Defence College, Golabandha offers M.Phil., Masters Degree and other Diploma Courses in various branches of Military Science.

## **STRENGTHENING OF ACADEMICS**

### **Autonomous Colleges**

As per the guidelines of the UGC, six colleges under the jurisdiction of the University have been accorded the status of autonomous colleges, namely, Khallikote College, Berhampur, Vikram Dev College, Jeypore, SKCG College, Parlakhemundi, Sashi Bhusan Rath Government Women's College, Berhampur, Government College, Phulbani and Rayagada College, Rayagada. These colleges enjoy their autonomy in framing curricula, conducting examinations and publication of results.

There is a need for more colleges being extended Autonomous Status under the UGC Scheme of Autonomous Colleges to avail financial assistance and to impart quality teaching.



## University Post-Graduate Departments

The University started with only one Post-Graduate Department, the Labour and Social Welfare (later renamed as Industrial Relations and Personnel Management) in 1967. The other departments were established in phases, namely, Political Science (1968), Oriya (1968), History (1968), Botany (1969), Zoology (1969), Physics (1969), Economics (1972), Chemistry (1972), Mathematics (1972), Journalism and Mass Communication (1974), English (1976), Commerce (1976), Marine Sciences (1978), Home Science (1983), Linguistics (1983), Law (1984), Business Administration (1984), Computer Science (1986) and Electronic Science (1991). These 20 teaching departments impart courses at the diploma, post-graduate, M.Phil. levels and conduct Ph.D. programmes. Besides, the University has the Women's Studies Research Centre offering M.Phil. and Ph.D. programmes. The M.Phil. course on Tribal Studies is being conducted at Council of Analytical and Tribal Studies (COATS), Koraput. Berhampur University has the distinction of being the only university in the state to have a Department of Marine Sciences. The Department of History offers a one-year Diploma course in Tourism and Indian Monuments, while the Department of Linguistics offers a one-year Diploma Course in Russian Language. The University has introduced courses such as M.Pharm., M.Sc. Geophysics, M.F.C., M.S.W., M.Sc. Biotechnology, M.Tech. (EIS), M.Tech. (Computer Science) and PGDBIM on self-financing basis.

The following manpower shall be required for strengthening the academic support system.

### **FACULTY REQUIREMENT (for Existing Departments) :**

1. Professors	39 (Thirty Nine)
2. Associate Professors/ Reader	60 (Sixty)
3. Assistant Professor / Lecturer	72 (Seventy Two)
4. Research Associate	30 (Thirty)
5. Research Assistant	30 (Thirty)

### **FACULTY REQUIREMENT (for New Eight Departments):**

1. Professors	08 (Eight)
2. Associate Professors/ Reader	16 (Sixteen)
3. Assistant Professor / Lecturer	24 (Twenty Four)
4. Research Associate	08 (Eight)
5. Research Assistant	08 (Eight)

**SUPPORTING STAFF:****LIBRARY**

- Library (computer literate staff) 21 (Twenty)
- System Administrator 06 (Five)

**HOSTEL**

- Manager (Fulltime) 15 (Fifteen)
- Matron (Ladies Hostel) 09 (Seven)
- Security Guard (Fulltime) 36 (Thirty Six)

**DISTANCE EDUCATION CENTRE**

Director (Fulltime)	(1) One
Additional Director	(2) Two
Supporting Staff	(6) Six
Lab Assistant	(5) Five
Computer Technical Assistant	(4) Four
Lecturer	10 Ten

**ACADEMIC STAFF COLLEGE**

Director (Fulltime)	(1) One
Additional Director	(2) Two
Supporting Staff	(6) Six

**PHYSICAL EDUCATION CENTRE**

Director (Fulltime)	(1) One
Additional Director	(2) Two
Supporting Staff	(6) Six

**ENVIRONMENTAL STUDIES AND DISASTER MANAGEMENT CENTRE**

Director (Fulltime)	(1) One
Additional Director	(4) Two
Supporting Staff	(6) Six

**HUMAN RIGHTS EDUCATION CENTRE**

Director (Fulltime)	(1) One
Additional Director	(4) Two
Supporting Staff	(6) Six

**STUDENT PLACEMENT CELL**

Director	(1) One
Placement Officer	2) Two
Staff	(6) Six

**STUDENT COUNSELING CENTRE**

Counselor (Women)	(1) One
Counselor (Men)	(1) One
Supporting Staff	(3) Three

**DEPARTMENT OF HISTORY**

ARCHIVIST (1) One

CURATOR (1) One

**COMPUTER PROGRAMMER** (12) Twelve

**DEO** (15) Fifteen

**BP COMPUTER CENTRE**

Manpower:

System Engineer - 2 (Two)

Maintenance Engineer for Network and Computers – 2 (Two)

Network Administrator – 2 (Two)

Instrumentation Technicians – 4 (Four)

Programmer – 2 (Two)

### **YOGA CENTER**

- Director (1) One

- Instructor (Including Two Lady Instructor (4) Three

### **CENTRALIZED SUPPORTING FACILITY AND STAFF**

- Counseling Hall

- Anti- Ragging Cell (1) One

- Sexual Harassment Cell (1) One

### **HEALTH CENTRE**

Doctors (including Lady Doctor) (2) Two

Supporting staff (9) Nine

### **CENTRALIZED INSTRUMENTATION FACILITY (Computer Related)**

Supporting Staff (6) Six

### **STATE OF ART- CENTRALISED LABORATORY FACILITY**

**(to house sophisticated and costly equipments for Research and Commercial use)**

Research Technicians (6) Six

### **UNIVERSITY INCUBATION CENTRE**

Director (1) One

Supporting Staff (3) Three

### **UNIVERSITY ENTREPRENEUR CENTRE**

Director (1) One

Supporting Staff (3) Three

### **GUEST HOUSE:**

Care-Taker (1) One

Supporting Staff (9) Nine

**FACULTY CLUB:**

Supporting Staff: (3) Three

**CENTRALIZED KITCHEN FOR HOSTEL (Boys and Girls)****For 1000 students**

Manger (2) Two

Supporting Staff (30) Twenty

**BUS DRIVER AND SUPPORTING STAFF** (10 +10)

**CENTRAL OFFICE:**

Administrative Officer (1) One

**UNIVERSITY ADMINISTRATION**

Deputy Registrar (Special) (1) One

**DAY CARE CENTRE**

Teacher (2) Two

Supporting Staff (4) Four

**UNIVERSITY EXAMINATION UNIT (CONTROLLER OF EXAMINATIONS)**

Controller of Examination (1) One

Deputy Controller (Setting, Certificate, General) (3) Three

Assistant Controller (6) Six

**OPENING OF NEW COURSES**

The University has completed more than 47 years of its existence. There is a necessity of opening the following Post-Graduate courses in order to enable the students to have wider choices for their higher education:

- Anthropology
- Biotechnology
- Education
- Hindi

- Master of Finance and Control
- Pharmacy
- Psychology
- Social Work
- Master in Library & Information Science

#### 1 Year Diploma in

- Physical Education
- Yoga

There is a need for strengthening human resources to cope up with the research and teaching requirements. The clearance is required to fill-up the vacant teaching posts to strengthen the existing departments. The UGC has prescribed the minimum strength of a Department i.e., one Professor, two Readers and three/four Lecturers. In view of specialisation being offered in different P.G. Departments, teaching strength should be enhanced. In case of opening new P.G. Departments, the UGC is prepared to take the financial liability for five years. The State Government is to take the financial burden after five years.

Berhampur University does not have an Academic Staff College funded by the UGC under its Scheme. The provision for an Academic Staff College will go a long way in providing teachers of the University as well as different colleges to undergo Refresher Courses/Orientation Programmes to update their knowledge.

The following additional courses will be offered by the existing Departments.

Economics:

PG Diploma in:

- i. Business Economics
- ii. Applied Econometrics

Physics:

Specialization in

- i. Astrophysics
- ii. Cosmology

Marine Science:

PG Diploma in Coastal Zone Management

PG Diploma in Disaster Management

Computer Science:

M.Tech. (Industrial Computation)

M.Tech. by Research

Electronic Science:

5 Years integrated Course in

- i. M. Sc. (Electronic Science)
- ii. M. Tech. (ETC)

Law:

1 Year Diploma Courses in:-

- i. Criminology & Victimology
- ii. Media & Law
- iii. IPR
- iv. Clinical legal Education
- v. Cyber law & e-Commerce
- vi. Urban Development Law
- vii. Arbitration & Conciliation centre

Linguistics:

1 Year Diploma Course in:-

- i. German, French, Korean & Chinese

3 month crash course in Russian Language

Odia:

1 year Diploma Course in:

- i. Performing Arts
- ii. Tribal Study
- iii. HR & Literature
- iv. Multimedia Literature

English:

Add on Course on

- i. Literature Appreciation
- ii. Knowledge Text Translation

Chemistry

One year Diploma Course in Chemical Technology

J & MC:

One year Diploma Courses on:

- i. Broadcasting Communication
- ii. Public Relation/Advertising
- iii. Folk media/Traditional Media



Pol. Sci.:

PG Diploma in:

- i. Strategic Studies
- ii. International Affairs/Relations

Home Science:

One Year Diploma Course in

- i. Genetic Health Counselling
- ii. Child & Family Counselling
- iii. Out-of-Control Adolescents

Commerce:

Master of Finance & Control (2 Year Course)

One year Diploma in

- i. Finance
- ii. Stock Market Investments

Zoology:

M.Sc. Special Paper (New): Biochem

Integrated MSc-PhD

Women Studies

M. A. in Women Studies

MBA

Integrated MBA

Executive MBA

P. G. Diploma in:

- i. NGO
- ii. Service Marketing
- iii. Community Management

History

One year Diploma in Tourism & Hotel Management

## **UGC Assistance**

In recognition of the outstanding academic achievements the UGC has identified few departments for sanction of the Department Research Support (DRS) under the Special Assistance Programme (SAP). The Departments like Marine Sciences and Odia are receiving financial assistance from the UGC. The Department of History has also received financial assistance under ASIHSS. A total of 53 colleges under the University have been enlisted under 2(f) and 12-B of the UGC Act, 1956 and are receiving financial assistance under different schemes and programmes.

**Adequate financial assistance from the UGC under its different Schemes and Programmes has to be mobilised for strengthening the University.**

## **University Centres**

In order to facilitate teaching, research and extension activities, the University has established four centres, viz., Women's Studies Research Centre, Centre for Canadian Studies, Biju Patnaik Computer Centre (BPCC) and Centre for Regional Studies. The BPCC is in urgent need of up gradation and renovation. The requirements being as follows:

BPCC proposes for centralized computing facilities for 200 students

Infrastructure – Two Big Halls, Server Room, Office Room

Equipments – Two Servers, - 200 Desktop Computers – Licensed soft ware; UPS, Centralized AC, Multimedia Projector 4 Nos; Motorized Screens 4 Nos;

Strengthening of Internet Connectivity:

Two Server Computers and related software

Router

Firewall to protect network resources

UPS

AC System

Solar Power Back-up

Storage Area Network for back-up storage

Manpower:

System Engineer - 2

Maintenance Engineer for Network and Computers – 2

Network Administrator – 2

Instrumentation Technicians – 4

Programmer – 2

Furniture for the above facility

Lingaraj Law College being the only constituent college needs the following facilities:

**LINGARAJ LAW COLLEGE, BERHAMPUR**

## Teaching Positions

Principal	1 one
Assistant Principal	2 Two
Professors	2 Two
Associate Professor	4 Four
Assistant Professors	6 Six
Lecturers	12 Twelve
Research Associate	12 Twelve
Research Assistant	12 Twelve
Librarian	01 One
Supporting library staff	03 Three
Administrative officer	01 One
Office staff	06 Six
Computer Programmer	06 Six

## New Courses

Integrated Five Year LL.B Hons Course

One Year LL.M Course

Integrated LL.M, M Phil Course

## Library

E-Library Facility

Subscribing to E Journals – AIR, SCC, Cri.L J,

Online Law Supreme Court Law Journals

Clinical Legal Cell – 3 three Halls

Moot Court Hall – 2 (two) Halls

Smart Class Rooms – 10 numbers

Recently the University has established the South Odisha Regional Cultural Studies Centre in collaboration with the NIRD, Hyderabad for preserving the artefacts, palm-leaf manuscripts, rare manuscripts so as to keep alive the cultural heritage of the southern Odisha, particularly the tribals communities. This needs funding from the State Government as well as other agencies.

## **Education under Distance Mode**

It has been widely recognised that Distance Education is an effective mode of imparting education for those who cannot afford formal education and intend to pursue higher education. In achieving this objective, the University has started the Distance Education Centre in the year 1987. This Centre has grown from strength to strength and is currently offering a total of 25 courses covering Under-Graduate, Post-Graduate, Diploma and Professional courses. It is a matter of great satisfaction that there is tremendous response for admission into all the courses offered by the Distance Education Centre. A total of 4381 students have been admitted into different courses during the session 2013-14. From this year, quality study materials have been supplied to the students of +3 TDC courses – both Pass and Honours of Science, Arts and Commerce streams. These courses, through distance mode, aim at reaching the students at their doorstep.

**The introduction of more innovative courses under distance mode is under process to make learning accessible to the educationally underprivileged, socially disadvantaged and economically backward sections of the southern region of the state of Odisha, thus increasing their employment potentials and opportunities.**

## **DEVELOPMENT OF INFRASTRUCTURE BOTH FOR ACADEMICS AND HOSTELS**

Most of the University buildings were constructed decades back keeping in view the requirement of the time. In the changed scenario, there is a need to construct new buildings to house the different P.G. Departments and the Centres. Most of the old hostels are in a dilapidated condition. There is a necessity for construction of new hostels. The staff quarters are inadequate. Most of the staff quarters have become old. Thus, construction of new staff quarters both for teaching and non-teaching staff is necessary. The PWD (R&B) Department of the State Government be entrusted with the maintenance of the roads and buildings, and the Department of Public Health be entrusted with the responsibility of maintaining the water supply.

The Compound Wall of the University Campus has not yet been completed. In the interest of the safety and security of its campus, this is a must.

The University should have two Entrance Gates from both the sides – Berhampur-Gopalpur Side and the National Highway Side.

The University needs a Wi-Fi campus. Every department must be provided with a Smart Class Room to impart quality teaching.

There is a need to create a Central Computer Facility with 200 nodes in the interest of the faculty, scholars and the students.

There is a need for strengthening the University Website to project the facilities available and the achievements of the University.

The University has a responsibility to ensure quality education in its constituent and affiliated colleges. For this, networking is necessary for getting the feedback and to offer necessary guidance to these colleges.

Besides the above, the following additional infrastructures are envisaged for the near future.

1. University Placement Cell
2. University Incubation Centre
3. University Entrepreneurship Development Centre
4. Student Counseling Centre
5. Human Rights Education Centre
6. Environmental Studies & Disaster Management Centre

**(5000 Sq.ft 3 storied building for 1 - 6)**

7. Day Care Centre (2400 Sq. Ft.)
8. Herbal Garden
9. Rain water Harvesting System
10. Solar Energy Grid
11. Central Valuation Centre with Power Back-Up & Security system (3000 Sq. Ft.)
12. New Building for Electronic Science Department (15,000 Sq. Ft.)
13. 2<sup>nd</sup> floor for Commerce Department (6000 Sq. Ft.)
14. Hostel for DEC Ladies Students (100 inmates)
15. Hostel for DEC Gents Hostel (100 inmates)
16. DEC Academic Building (10, 000 Sq. Ft.)
17. Executive Hostel (100 inmates)
18. Online UPS Systems:

- a. 10 KVA System for each Social Science Departments
  - b. 20 KVA Systems for each Science Department
19. 46 SMART Class Rooms
  20. 3 Nos. Of Seminar Halls with A/V & Power Back Up Facility
  21. New Administrative Building ()
  22. New Press Building ()
  23. New Health Centre
  24. Ambulance
  25. PG Central Office Block with A/C & Power Back-up
  26. 10 Nos. of Buses for Employees & Students
  27. Academic Staff College Building
  28. Central Kitchen – 2 Nos
  29. Construction of Record Room Building
  30. Establishment of Oral History Cell
  31. 3 Nos. of Canteens
  32. Animal House
  33. Renovation of Zoology Museum
  34. Interdisciplinary Laboratories – 3 Nos.
  35. Compound Wall for the Sports Council Play ground with Drainage Facility
  36. Sports Council Gate at the Entrance
  37. One Modern Sports Complex with gallery
  38. Modernized 16 Stationed MultiGym
  39. Sports Pavilion
  40. Faculty club for Teachers
  41. Museum of South Odian Studies
  42. Vehicle Shed for Buses

## **DEVELOPMENT OF LIBRARY AND E-LIBRARY**

The R.P. Padhi Library of this University is well equipped with 1,26,995 books, 117 current journals, 830 back volumes of journals, 2847 statistical handbooks and 2556 reports. The University has subscribed to a number of Online Research Journals through the UGC INFONET Digital Library Consortium. A total of 1,894 new books were added to the Library during this year with the financial assistance of the UGC under the 12<sup>th</sup> Plan. The Library is also subscribing newspapers/magazines both in English and Odia.

There is a need for construction of a new Library Building with modern facilities. Funding is necessary for subscription of e-journals and to extend the Inlibnet and JSTOR facilities to the Central Library. Funding is also required for purchase of more books, journals to augment the Library facilities, besides the following additional infrastructure.

- Modernized Multi-Facility Library – Extension of Library Building
- Building Space for Commencing Department of Library Science
- Wi-fi facility
- Net/ Lan Connectivity of Central Library with all the Department and Teacher Cubicles
- Establishing Net Connectivity with other lead libraries
- Procurement of online Journals and Books through online data base like J Star, Emerald, Springer link and EBSCO host etc.)
- Automation of Central Library with RFID Facility
- Digitization of Thesis and Rare documents
- AMC for equipments, servers and computers of Library

## **UPGRADATION OF LABORATORY OF SCIENCE FACULTIES**

Research and investigation is the bulwark of the advancement of the frontiers of knowledge. It is an important function of the University to preserve and disseminate knowledge. The University has taken appropriate steps in this respect. The facilities of research are available in the Post-graduate departments and some of the affiliated colleges including Autonomous Colleges under its jurisdiction. The University has been receiving financial assistance from the UGC, ICAR, CSIR, NBHM, BARC and several departments of the Government of India, such as Environment & Forest, Science & Technology, Ocean Development and Tribal Affairs, etc. to undertake major research projects. The Ministry of Earth Sciences has established the Earth Science and Technology Cell (ESTC) to facilitate research on Marine Ecology and related subjects. The research in this field assumes importance in the backdrop of a long coastline of nearly 482 kilometres in the state of Odisha.



There is a need for strengthening the Laboratories for providing adequate facilities for undertaking research. This also requires industry-academia collaboration.

#### Chemistry

1. NMR Spectrometre
2. CHN Analyser
3. Mass Spectrometer

#### Pharmacy

1. HPLC
2. Auto sampler Dissolution Apparatus

#### Computer Science

1. 30 PCs for Student use in the Department

#### Electronic Science:

1. Embedded System Lab
2. RF & Wireless Lab
3. VLSI Laboratory
4. Instrumentation Lab
5. DSP Laboratory
6. Digital Electronics Lab
7. Analog Electronics Lab
8. Basic Device Lab
9. Communication Lab
10. Microprocessor & Microcomputer Lab
11. Computer Lab

#### Physics

1. Modern Physics Lab
2. Solid State Lab
3. Nuclear Physics Lab
4. Electronic Lab
5. Optics Lab
6. Computer Lab

#### Geophysics

1. Computer Lab (20 PCS)
2. Geophysical Laboratory with Gravity Meter, Seismo Meter, Magneto Meter

#### Marine Science

1. Physical Oceanography Lab
2. Meteorological Lab

3. Geological Oceanography Lab
4. Chemical Oceanography Lab
5. Marine Aquarium
6. Computer Lab with Networking (2 Servers, 30 PCS, 2 Printers, ERDAS Imagine, ARC GIS, Hydrolight, Mike Software)
7. XRD, XRF, AAS, HPLC, Particle Size Analyzer, Spectrofluoro meter, Current Meter, Echo Sounder, Tide Gauge – For use in above Labs
8. Mechanised Boat for sample collection at Sea, estuaries, lagoon

#### Zoology

1. Computer Laboratory (10 PCs)

#### Botany

1. Computer Lab (10 PCs & Networking)

#### Biotechnology

1. Computer Lab (10 PCs)

## **OTHER PROPOSALS**

### **Skill Development**

In the globalised world, the requirement is to provide quality education to the students. The main objective of providing quality education is to make the products of an institution employable. For this, imparting soft skills, such as, Spoken English and use of ICT is a must. This needs funding.

### **Coaching Facilities**

The students belonging to the disadvantaged sections need capacity building. Coaching classes have to be organised in the University in the interest of the Scheduled Castes, the Scheduled Tribes and the other minority groups to enable them to be successful in different competitive examinations, NET Examination of the UGC and to get them employed. Besides the UGC funding, the State Government may also extend financial assistance to different universities to fulfil this objective, particularly for promoting inclusive education.

### **Strengthening Sports Infrastructure**

The Games and Sports is an integral part of the academic programme. Thus, there is a necessity for strengthening the sports infrastructure in the University. There is a need for a modern multigym along with an Indoor Hall for promoting sports and games. The playground has to be up to the standard of any advanced university in the country.

## **OTHER INFORMATION SUBMITTED:**

### **Existing Infrastructure and Learning Resources**

At present the University has the following physical facilities:

- Administration Block;
- Academic buildings: Humanities blocks: 2, Science blocks: 6, Commerce block: 1, Management block: 1, Academic block: 2, Computer Centre building: 1, Conference Hall: 1, etc.;
- A three-storied library building;
- Press building;
- Students' hostels: Mahendra Tanaya, Saberi, Salunki and Jhanjhabati Ladies' Hostels and Rushikulya, Banshadhara, Nagabali, Indravati, Bahuda Gents' Hostels and Jogendra Hostel for Research Scholars;
- Higher Secondary School;
- Staff quarters;
- Canteen;
- Health Centre;
- Shopping Complex;
- A fully computerised branch of the State Bank of India;
- Post Office;
- Students' Home;
- Sports Complex: a play ground, a pavilion, a multipurpose indoor hall, gymnasium, two basketball court, etc.;
- A fully equipped auditorium (Biju Patnaik Auditorium);
- Open air theatres (Bhanja Mandap and Kabisurjya Mandap);
- University Employment Information and Guidance Bureau;
- Staff Recreation Club;
- Guest House;
- Faculty Club;

- Botanical Gardens;
- Children Park; and
- Deer Park.

**Learning resources:**

- Laptops
- Desktops
- LCD Projectors
- Interactive Boards
- Department Seminar Rooms
- Photocopiers
- Reading Rooms
- LED TVs
- Internet Connectivity

**Weaknesses:**

- To cater to the educational needs of the tribals, we do not have adequate number of colleges.
- Being a State University, non-availability of adequate infrastructure and resource crunch are the two major impediments in providing quality education.
- The vacant teaching positions against the sanctioned strength could not be filled-up due to many reasons. Even in some of the Departments the minimum strength required for teaching, research and extension activities could not be ensured.
- No Smart Class Rooms
- Library has not been fully automated.

**Opportunities:**

- The region is rich in natural resources, but a substantial number of its people are poor, the natural resources can be exploited in a sustained manner for the development of the region. The University can play a very significant role in bringing about this change.

- The University is also very close to a coast line that is of immense importance, in terms of national defence, marine fishery and coastal ecology. There are number of defence establishments along this coast line, including an Air Defence College at Golabandha, adjacent to the university campus and a naval base at Chilika, 60 kilometres away. The University is one of the few Universities in the country to offer courses on Marine Sciences.
- The University offers courses like Linguistics, Journalism & Mass Communication, and Women's Studies and Diploma in Tourism & Indian Monuments. These courses are being offered by very few Universities in the country.
- Among other things, the University intends to promote research activities aimed at designing sustainable models of development both in agriculture and industry. It also has an aim to establish community-university linkages for the mutual benefit of the students and teachers and the local communities.
- One of the major objectives of the University is to empower the indigenous communities of the region and to bring about social transformation. It aims at promoting the study and preservation of indigenous and local cultures.
- Berhampur University Mission in the years to come is to facilitate all-round development in south Odisha, by increasing people's access to higher education and by promoting research in areas that concern the region's specific needs. It seeks to fulfil their mission by striking a balance between technology and liberal arts education, so as to meet both the employment needs of the students and the humanistic aspirations.

### **Threats:**

- Ensuring employability of the students providing them multi-skills.
- No new P.G. Departments in emerging areas could be opened to cater to the needs of the students.
- Number of affiliated colleges has gone up to 145 and, therefore, monitoring quality education has become difficult.
- All the seven districts under the jurisdiction of the University are covered under the low Gross Enrolment Ratio districts and no model college has been established in any of these districts.

### **Justification:**

- The seven districts of South Odisha that the University has jurisdiction over – Ganjam, Gajapati, Kandhamal, Rayagada, Malkangiri, Nowrangpur and Koraput – are largely tribal, economically backward. The average tribal population of this region is about 46 per cent and poverty and illiteracy are high. However, there is a paradox of poverty in the midst of plenty.
- The Gross Enrolment Ratio in the tribal districts under the jurisdiction of Berhampur University is about 7 per cent. Thus, the intake of the students belonging to the Scheduled Tribes and other

backward categories is very low. In some courses the seats reserved for the Scheduled Tribes are not filled-up.

- The augmentation of infrastructure, modernisation of the library, strengthening of the laboratories and emphasis on research activities need funding under RUSA, besides the regular funding from the State Government as well as the UGC.

## **Mission**

- To provide quality higher education to the people of South Odisha, through conventional and distance education programmes.
- To promote research activities aimed at designing sustainable models of development both in agriculture and industry.
- To establish community-university linkages for the mutual benefit of the University's students, teachers and local communities.
- To empower the indigenous communities of the region and to bring about social transformation.
- To promote the study and preservation of indigenous and local cultures.
- To work in collaboration with government and nongovernmental organizations in enabling holistic growth and ensuring social justice for the people of South Odisha.
- To build alliances with other institutions of higher education and research in India and abroad, so as to continuously upgrade the quality of teaching and research thus enriching the curricular programmes and making them globally competitive.

## **To fulfil this mission, the broad objectives of the University are:**

- To upgrade the number, structure and delivery mechanisms of its curricular programmes, with a view to increasing their social relevance, access and equity.
- To achieve convergence of open and conventional learning systems, so that economically disadvantaged students can be included in the mainstream of education.
- To support basic as well as utility-oriented research both within and across disciplines, thereby achieving a proper balance between basic and applied knowledge.
- To develop curricular and research programmes that would effectively combine the promotion of sustainable human development with quality learning at par with international standards.
- To develop job-oriented self-financing courses, so that the initial expenditure incurred in meeting the above objectives can be supported by the University itself.

## **Availing of RUSA Funding**

The University has made great strides in the areas of teaching and research since its establishment. However, there are many constraints, financial or otherwise, to fulfil its mission. It is hoped that with the financial support from the RUSA, the university will be in a position to effectively cater to the educational needs of the people of southern Odisha, a great majority of which are poverty-stricken and belong to the ST, SC and minority communities. Further, it will facilitate the process of access and equity for disadvantaged sections of the people of the State of Odisha, thus enhancing their reach and making higher education more inclusive.

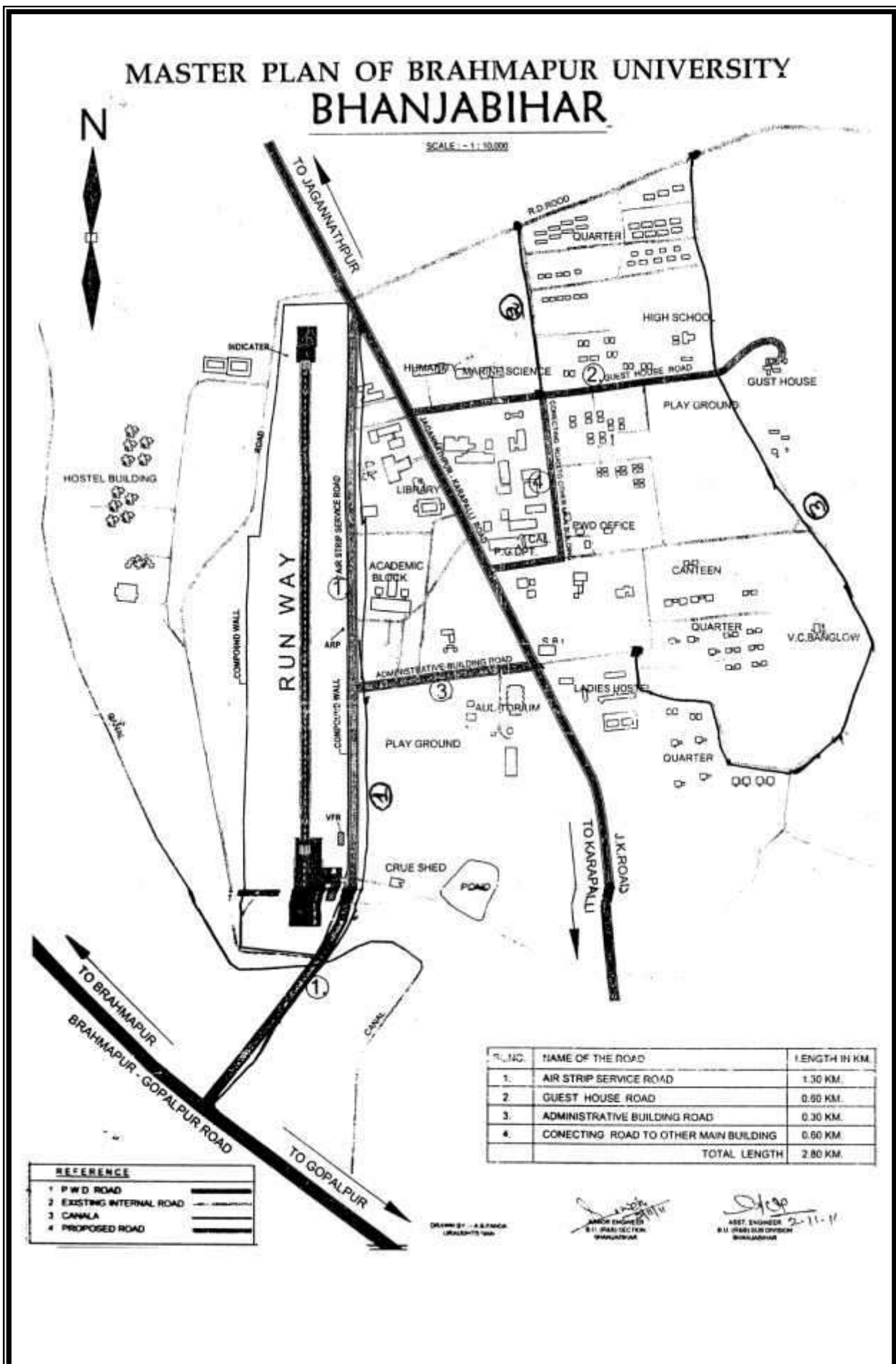
**Vice-Chancellor**

**Registrar**



# MASTER PLAN OF BRAHMAPUR UNIVERSITY BHANJABIHAR

SCALE - 1:10,000



S.NO.	NAME OF THE ROAD	LENGTH IN KM.
1.	AIR STRIP SERVICE ROAD	1.30 KM.
2.	GUEST HOUSE ROAD	0.60 KM.
3.	ADMINISTRATIVE BUILDING ROAD	0.30 KM.
4.	CONNECTING ROAD TO OTHER MAIN BUILDING	0.60 KM.
TOTAL LENGTH		2.80 KM.

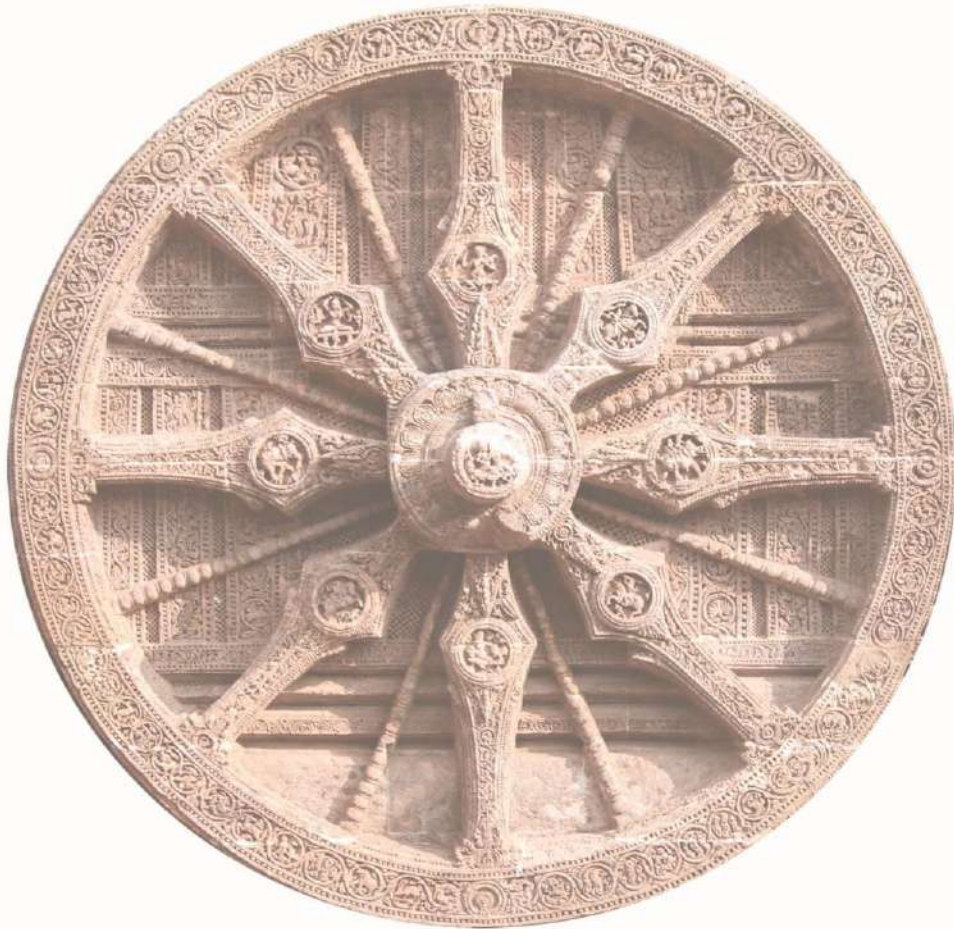
REFERENCE	
1	P.W.D. ROAD
2	EXISTING INTERNAL ROAD
3	CANAL
4	PROPOSED ROAD

DRAWN BY - A. SANKU  
JAGANNATHPUR

ASST. ENGINEER  
S.I. (RAILWAY) DIVISION  
BHANJABIHAR

ASST. ENGINEER  
S.I. (RAILWAY) DIVISION  
BHANJABIHAR

# ବ୍ରହ୍ମପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ



Berhampur University, Bhanja Bihar, Berhampur-760007, Odisha, India  
[www.buodisha.edu.in](http://www.buodisha.edu.in)