



C. V. Raman Global University-Odisha, Bhubaneswar
OFFICE OF THE DEAN ACADEMICS

NOTICE

Ref .No: CGU/DEAN-AC/10/177/22

Date: 16.07.2022

MINOR AMENDMENT FOR SDE-EMERGING TECHNOLOGIES IN CSE/CSIT

There is a minor change in the skill development elective (SDE) for 5th and 6th semester CSE/CSIT students. Kindly refer item No-10 in the Annexure-I attached below. For other branches it remains same as previous year.

DEAN ACADEMICS

C.V.RAMAN GLOBAL UNIVERSITY

SKILL DEVELOPMENT ELECTIVE



The SDE Course is aimed to promote collaborative multidisciplinary skill development of technical candidates inspired by National Education Policy 2020.

GUIDELINES FOR OPTING SDE

- A 3rd sem candidate can opt a Skill Development Elective(SDE) course out of the enlisted courses in the table **ONLY ONCE** as per the preferred discipline, though not restricted to the same.
- A buffer time of 07 days (from the last date of choice filling) will be provided to change the choice given by a candidate based on availability of seats.
- The Choice Based SDE can be floated by seeking 04 choices per student in order to allot them the final SDE Course as per the CoE Capacity and in '**First Come First Serve Basis**'. A student will be allowed to choose an SDE in his/her 3rd sem **only once** and will continue the course modules for 4th, 5th and 6th sem SDE courses.
- A 3rd semester student can opt a SDE course comprising of 04 modules spanned over 04 semesters, i.e. 3rd, 4 th, 5th and 6th as per the distribution below:

**SKILL DEVELOPMENT ELECTIVE OFFERINGS WITH SUBJECT
CODE**

Sl No.	CoE	SDE Course Name	Total Duration	Content & SUBJECT CODE
1	Welding	Welding Training	EACH SEM 40 Hrs.	3 RD SEM – Welding-I [Basic Arc Welding Technology-I] - SDE23701
				4 TH SEM – Welding- II [Basic Arc Welding Technology-II] - SDE23702 5 TH SEM – Welding- III [Advanced Welding Technology-I] – SDE23703 6 TH SEM - Welding- IV [Advanced Welding Technology-II] – SDE23704
2	VLSI, ROBOTICS AND PCB Centre	VLSI, ROBOTICS AND PCB DESIGN	Each Sem: 40 HRS	3RD SEM- Robotics1 - SDE23705 4TH SEM – Robotics2 - SDE23706 5TH SEM – PCB & Circuit design- SDE23707 6TH SEM - Analog & Digital VLSI - SDE23708

3	HVAC&R CoE	HVAC&R	Each Sem: 40 HRS	<p>3rd Semester- HVAC&R FUNDAMENTALS [TUTORIAL]. - SDE23709</p> <p>4th Semester - HVAC & R SYSTEM AND COMPONENTS Tutorial. - SDE23710</p> <p>5TH SEM - Psychometric and Thermal Comfort: - SDE23711</p>
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				<p>6TH SEM - Heat Load Estimation: SDE23712</p>
4	Bosch Rexroth CoE	Industrial Automation	Each Semester 40 Hrs	<p>3RD SEM: Relay Logic Control & Sensorics - SDE23713</p> <p>4 TH SEM: Industrial PLC - SDE23714</p> <p>5TH SEM: Pneumatics & Hydraulics - SDE23715</p> <p>6TH SEM: Mechatronics with Industry 4.0 - SDE23716</p>

5	Siemens CoE	Total Integrated Automation	Each Semester 40 Hrs	3 RD SEM: PLC & HMI - SDE23717 4 TH SEM: SCADA & DCS - SDE23718 5 TH SEM: AC DC Drive - SDE23719 6 TH SEM: LV Switchgear - SDE23720
6	TRTC	PDM	Each Semester 40 Hrs	3RD SEM: AUTOCAD 2D &3D. - SDE23721 4TH SEM: CREO (MODELING, SURFACING, ASSEMBLY,

				DRAFTING) - SDE23722 5 TH SEM: ENGINEERING METROLOGY & TYPES OF CUTTERS & OPERATIONS. - SDE23723 6THSEM: CNC PROGRAMMING - SDE23724
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7	TTL	TECHNOLOGIES FOR AUTOMOBILE SYSTEMS	Each Semester 40 Hrs	<p>3RD SEM: SOLID MODELLING USING AUTOCAD & CATIA. - SDE23725</p> <p>4TH SEM: BASIC AUTOMOTIVE ENGINEERING. - SDE23726</p> <p>5 TH SEM: STRUCTURAL, THERMAL AND FLOW SIMULATION MODELLING. - SDE23727</p> <p>6THSEM: AUTOMOBILE ENGINEERING AND PRODUCT DESIGN - SDE23728</p>
8	FESTO	PROCESS AUTOMATION & WATER TECHNOLOGY	Each Semester 40 Hrs	<p>3RD SEM – Basic PA - SDE23729</p> <p>4TH SEM –Advance PA - SDE23730</p> <p>5TH SEM – Advance PA - SDE23731</p> <p>6TH SEM - Water Technology - SDE23732</p>
9	CIVIL	Modern Designs And Structural Analysis	Each Semester 40 Hrs	<p>3RD SEM – AutoCAD - SDE23733</p> <p>4TH SEM – Revit - SDE23734</p> <p>5TH SEM – Staad Pro - SDE23735</p> <p>6TH SEM –MX OR Open Road - SDE23736</p>

10	(Coordinated and evaluated by Dept. of CSE)	EMERGING TECHNOLOGIES IN CSE/CSIT	Each Semester 40 Hrs	3RD SEM – CCNA-1 - SDE23737 4TH SEM – CCNA-2 - SDE23738 5th SEM – CLOUD COMPUTING - SDE23739 6th SEM – CYBER SECURITY - SDE23740
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EVALUATION STRATEGY (RUBRICS):

Sl.No	Experiment/Topic	Attendance	Quiz test	Viva and observation	Report	Total
1	Topic name	F.M- 2 marks	F.M -3 marks	F.M-2 marks	F.M -3 Marks	10
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10 or 12						

Out of (10 or 12) X 10 = 100 or 120 marks, from the above table, the scores will be scaled down to 70 Marks, rest 30 marks will be comprehensive Lab evaluation in the form of product/project presentation.