MKSSS's Cummins College of Engineering for Women, Pune
(An Autonomous Institute Affiliated to SavitribaiPhule Pune University)

Autonomous Program Structure of
Final Year B. Tech. Eighth Semester
(Information Technology)
Academic Year: 2023-2024 onwards

Course Code	Course Title	Teaching Scheme Hours /Week			Examination Scheme				Total Marks	Credit
		Lecture	Tutorial	Practical	In Sem	End Sem	Oral	Practical		
20IT 801	Distributed Systems	3	0	0	50	50	0	0	100	3
20PEIT 801	Program Elective-IV	3	0	0	50	50	0	0	100	3
20PEIT 802	Program Elective-V	3	0	0	50	50	0	0	100	3
20OE 801	Open Elective-III	3	0	0	50	50	0	0	100	3
20OE 802	Open Elective-IV*	3	0	0	50	50	0	0	100	3
20IT 801L	Distributed Systems Lab	0	0	2	25	0	25	0	50	1
20PEIT 801L	Program Elective–IV Lab	0	0	2	25	0	25	0	50	1
	Total	15	0	4	300	250	50	0	600	17
	Grand Total	19			600				600	17

* Inter-disciplinary Course

Programme Elective – IV	Programme Elective – IV Lab
20PEIT 801 A Advanced Machine Learning 20PEIT 801 B Introduction to DevOps 20PEIT 801 C Design Patterns	20PEIT 801L A Advanced Machine Learning 20PEIT 801L B Introduction to DevOps 20PEIT 801L C Design Patterns
Programme Elective – V 20PEIT 802 A Advanced Databases 20PEIT 802 B Unified Communication 20PEIT 802 C Information Retrieval	

20OE801 Open Elective-III			Eligible Departments				
Sr. No.	Course Code	Course Title	EnTC	Comp	IT	Mech	Instru
1	20OE801A	Big Data and Analytics	Y	Y	Y	Y	Y
2	20OE801B	Cyber Physical Systems	Y	Y	Y	N	Y
3	20OE801C	Digital Control	Y	N	N	Y	Y
4	20OE801D	Industrial Engineering and Management	Y	Y	Y	Y	Y
5	20OE801E	Introduction to Cyber-crime and Forensics	Y	Y	Y	Y	Y
6	20OE801F	Instrumentation in Food and Agriculture	Y	Y	Y	Y	Y
7	20OE801G	Medical IoT	Y	Y	Y	N	Y
8	20OE801H	Quantum Computing	Y	Y	Y	N	Y
9	20OE801I	Renewable Energy Sources	Y	Y	Y	Y	Y
10	20OE801J	Soft Computing	Y	Y	Y	Y	Y
11	20OE801K	Software Testing and Quality Assurance	Y	Y	Y	Y	Y

20OE802 Open Elective-IV			Eligible Departments				
Sr. No.	Course Code	Course Title	EnTC	Comp	IT	Mech	Instru
1	20OE802A	Applied statistics with R Programming	Y	N	N	Y	Y
2	20OE802B	Automobile Engineering	Y	Y	Y	N	Y
3	20OE802C	Autonomous Robots	N	Y	Y	Y	N
4	20OE802D	Building Automation and Energy Audit	Y	Y	Y	Y	N
5	20OE802E	Data Analysis and Visualization	Y	N	Y	Y	Y
6	20OE802F	Data Science using Python	Y	N	Y	Y	Y
7	20OE802G	Industrial Drives and Control	Y	Y	Y	Y	N
8	20OE802H	Smart Sensors and Structures	Y	Y	Y	Y	N
9	20OE802I	Wireless Networks	N	Y	Y	N	Y