

**Autonomous Program Structure of
Final Year B. Tech. Eight Semester
(Electronics and Telecommunication Engineering)
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		
20EC801	Broadband Communication Systems	3	0	0	50	50	0	0	100	3
20PEEC801	Program Elective-IV	3	0	0	50	50	0	0	100	3
20PEEC802	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
20EC801L	Broadband Communication Systems Lab	0	0	2	25	0	25	0	50	1
20PEEC801L	Program Elective-IV Lab	0	0	2	25	0	0	25	50	1
	Total	15	0	4	300	250	25	25		
	Grand Total	19			550		50		600	17

Programme Elective-IV			Programme Elective-IV Lab		
Sr. No.	Course Code	Course Title	Sr. No.	Course Code	Course Title
1	20PEEC801A	Microwave and Radar Engineering	1	20PEEC801LA	Microwave and Radar Engineering Lab
2	20PEEC801B	Remote Sensing	2	20PEEC801LB	Remote Sensing Laab
3	20PEEC801C	Industrial Automation	3	20PEEC801LC	Industrial Automation Lab
4	20PEEC801D	Embedded RTOS	4	20PEEC801LD	Embedded RTOS Lab
Programme Elective-V					
Sr. No.	Course Code	Course Title			
1.	20PEEC802A	Advanced VLSI Design			
2.	20PEEC802B	Artificial Intelligence			
3.	20PEEC802C	Statistical Signal Processing			
4.	20PEEC802D	Mobile Communication			

APPROVED BY

Secretary Governing Body
MKSSS's Cummins College of Engineering



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Chairman Governing Body
MKSSS's Cummins College of Engineering

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	N	Y	Y
6	20OE802F	Data Science using Python	Y	N	N	Y	Y
7	20OE802G	Industrial Drives and Control	Y	Y	Y	Y	N
8	20OE802H	Smart Sensors and Systems	Y	Y	Y	Y	N
9	20OE802I	Wireless Networks	N	Y	Y	N	Y

