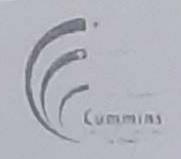
# MKSSS's Cummins College of Engineering for Women, Pune (An Autonomous Institute Affiliated to SavitribaiPhule Pune University)



#### Autonomous Program Structure of Final Year B. Tech. Eighth Semester (Instrumentation & Control Engineering) Academic Year: 2023-2024

onwards

	Course Title	Teaching Scheme Hours/Week		Examination Scheme				Marks	Credit	
Course		Lecture	Tutorial	Practical	In Semester	End Semester	Oral	Practical		
20IN801	Process Data Analytics	3	0	0	50	50	0	0	100	3
20PEIN801	Program Elective- IV	3	0	0	50	50	0	0	100	3
20PEIN802	Program Elective-	3	0	0	50	50	0	0	100	3
200E801	Open Elective-III	3	0	0	50	50	0	0	100	3
200E802	Open Elective-IV*	3	0	0	50	50	0	0	100	3
20TN801L	Process Data Analytics lab	0	0	2	25	0	25	0	50	1
20PEIN801L	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

## Programme Elective-IV

20PEIN801A Process Modelling and Optimization 20PEIN801B Artificial Intelligence and Machine Learning

20PEIN801C Medical Device Technology

#### Programme Elective-IV Lab

20PEIN801LA Process Modelling and Optimization 20PEIN801LB Artificial Intelligence and Machine Learning

20PEIN801LC Medical Device Technology

## Programme Elective-V

20PEIN802A Safety Instrumentation Systems 20PEIN802B Computer Techniques and Operating Systems

20PEIN802C Environmental Instrumentation

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APPROVED BY

Secretary Governing Body

APPROVED BY
Chairman Governing Body

MKSSS's Cummins College of Engineering

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



200	00E801 Open Elective-III			Eligible Departments						
Sr. No.	Course Code	Course Title	EnTC	Comp	IT	Mech	Instru			
1	200E801A	Big Data and Analytics	Y	Y	Y	Y	Y			
2	200E801B	Cyber Physical Systems	Y	Y	Y	N	Y			
3	200E801C	Digital Control	Y	N	N	Y	Y			
4	200E801D	Industrial Engineering and Management	Y	Y	Y	Y	Y			
5	200E801E	Introduction to Cyber-crime and Forensics	Y	Y	Y	Y	Y			
6	200E801F	Instrumentation in Food and Agriculture	Y	Y	Y	Y	Y			
7	200E801G	Medical IoT	Y	Y	Y	N	Y			
8	200E801H	Quantum Computing	Y	Y	Y	N	Y			
9	200E8011	Renewable Energy Sources	Y	Y	Y	Y	Y			
10	200E801J	Soft Computing	Y	Y	Y	Y	Y			
11	200E801K	Software Testing and Quality Assurance	Y	Y	Y	Y	Y			

200	E802 Open	Elective-IV	Eligible Departments						
Sr. No.	Course Code	Course Title	EnTC	Comp	IT	Mech	Instru		
1	200E802A	Applied statistics with R Programming	Y	N	N	Y	Y		
2	200E802B	Automobile Engineering	Y	Y	Y	N	Y		
3	200E802C	Autonomous Robots	N	Y	Y	Y	N		
4	200E802D	Building Automation and Energy Audit	Y	Y	Y	Y	N		
5	200E802E	Data Analysis and Visualization	Y	N	Υ	Y	Y		
6	200E802F	Data Science using Python	Y	N	Y	Y	Y		
7	200E802G	Industrial Drives and Control	Y	Y	Y	Y	N		
8	200E802H	Smart Sensors and Systems Systems	001 5XOING	Y	Y	Υ	N		
9	200E8021		enagaN )	Y	Y	N	Y		