

**Autonomous Program Structure
Third Year B. Tech. Sixth Semester
(Instrumentation and Control)
Academic Year: 2022-2023 Onwards**

Course Code	Course Title	Teaching Scheme Hours /Week			Examination Scheme				Marks	Credit
		Lecture	Tutorial	Practical	In Semester	End Semester	Oral	Practical		
20IN601	Process Instrumentation and Control	3	1	0	50	50	0	0	100	4
20IN602	Industrial Automation	3	0	0	50	50	0	0	100	3
20IN603	System Engineering and Management	3	1	0	50	50	0	0	100	4
20HS601	Management Information System (MIS)	3	0	0	50	50	0	0	100	3
20PEIN601	Programme Elective-III	3	0	0	50	50	0	0	100	3
20OE601	Open Elective-II	3	0	0	50	50	0	0	100	3
20IN602L	Industrial Automation Lab	0	0	2	25	0	0	25	50	1
20IN603L	System Engineering and Management Lab	0	0	2	25	0	25	0	50	1
20PEIN601L	Programme Elective Lab-III	0	0	2	25	0	25	0	50	1
20IN604	Mini Project	0	0	2	25	0	0	25	50	1
	Total	18	2	8	400	300	50	50	800	24
	Grand Total		28			800			800	24

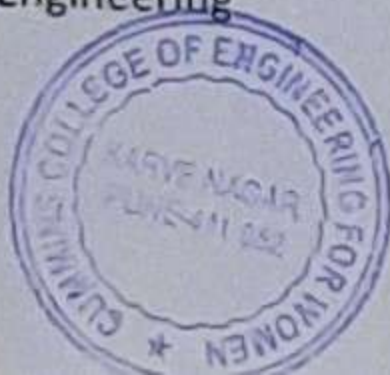
Programme Elective-III
20PEIN601A Building Automation
20PEIN601B Embedded Product Design

Programme Elective-III Lab
20PEIN601LA Building Automation
20PEIN601LB Embedded Product Design

Department of Instrumentation & Control Engineering

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Secretary Governing Body
MKSSS's Cummins College of Engineering
For Women, Pune-411052



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Chairman Governing Body
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20PEIN601C MEMS

20PEIN601LC MEMS

20OE601 Open Elective-II			Eligible Departments				
Sr. No.	Course Code	Course Title	EnTC	Comp	IT	Mech	Instra
1	20OE601A	Automation and Control Engineering	Y	Y	Y	Y	Y
2	20OE601B	Automotive Electronics	Y	Y	Y	Y	Y
3	20OE601C	Avionics	Y	Y	Y	Y	Y
4	20OE601D	Bioinformatics	Y	Y	Y	N	Y
5	20OE601E	Computer Vision	Y	Y	Y	Y	Y
6	20OE601F	Design Thinking	Y	Y	Y	Y	Y
7	20OE601G	e-Business	Y	Y	Y	Y	Y
8	20OE601H	Electric Vehicles	Y	Y	Y	Y	Y
9	20OE601I	Gamification	Y	Y	Y	Y	Y
10	20OE601J	Geographical Information Systems	Y	Y	Y	Y	Y
11	20OE601K	Multimedia Systems	Y	Y	Y	N	Y

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