

Autonomous Program Structure
Third Year B .Tech.
Fifth Semester (Mechanical Engineering)
Academic Year: 2025-26 Onwards

Course Code	Course Title	Teaching Scheme			Cr	Examination Scheme			Total Marks
		Hours / Week	L	T		P	ISE	ESE	
23PCME501	Heat transfer	3	0	0	3	50	50	-	100
23PCME502	Measurement and Quality Control	2	0	0	2	25	25	.	50
23PCME503	Machine Design	3	1	0	4	50	50	-	100
23PCME504	Computer Aided Engineering	3	0	0	3	50	50	-	100
23PECME501	Programme Elective-I*	3	0	0	3	50	50	-	100
23MDm501	Introduction to Artificial Intelligence and Machine Learning	3	0	0	3	50	50	-	100
23PCME501L	Heat Transfer Lab	0	0	2	1	25	-	25	50
23PCME502L	Measurement and Quality Control lab	0	0	2	1	25	-	25	50
23PCME504L	Computer Aided Engineering Lab	0	0	2	1	25	-	25	50
23MDm501L	Multidisciplinary Minor Course 2 Lab**	0	0	2	1	25	-	25	50
Total		17	01	08	22	375	275	100	750

L=Lecture, T=Tutorial, P= Practical, Cr= Credits, ISE =In Semester Evaluation, ESE =End Semester Examination, Pr/Or= Practical/Oral.

*Programme Elective-I	
23PECME501A	Introduction to Hydraulic Systems
23PECME501B	EV Architecture and Energy Storage
23PECME501C	Electronic Packaging and Manufacturing
23PECME501D	Internet of Things (IoT)

**Multidisciplinary Minor Course 2 Lab	
23MDm501L	AI and ML Laboratory


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Secretary Academic Council
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