

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

Course Code	Course Title	Teaching Scheme Hours / Week			Cr	Examination Scheme			Total Marks
		L	T	P		ISE	ESE	Pr/Or	
23PCME601	Applied Thermodynamics	3	0	0	3	50	50	-	100
23PCME602	Mechanical Vibrations	3	0	0	3	50	50	-	100
23PCME603	Industrial Engineering and Operations Research	2	0	0	2	25	25	-	50
23PCME604	Robotics and Control Systems	3	0	0	3	50	50	-	100
23PECME601	Programme Elective-II*	3	0	0	3	50	50	-	100
23MDm601	Business Analytics	3	0	0	3	50	50	-	100
23PCME601L	Applied Thermodynamics Laboratory	0	0	2	1	25	-	25	50
23PCME602L	Mechanical Vibrations Laboratory	0	0	2	1	25	-	25	50
23PECME601L	Programme Elective –II Laboratory	0	0	2	1	25	-	25	50
23VSECME601L	Robotics and Computational Methods Laboratory.	0	0	4	2	25	-	25	50
Total		17	00	10	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-II	
23PECME601A	Finite Element Analysis
23PECME601B	Powertrain Design
23PECME601C	Mechanics of Composite Materials
23PECME601D	EV Traction Systems



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Secretary Academic Council
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