

Elective Grouping

	YES: CAN OPT;	NO: CANNOT OPT	CORE: COMPULSORY									
Group	Course code	Course title	L-T-P-C	Open for						Instructor	Class Slot	Exam Slot
				B.Tech.	MD	FT	MSE	CM	AP			
G-1	ME 543	Computational Fluid Dynamics	3-0-0-6	NO	NO	YES	NO	CORE	YES	AMD	Mon, Tu, Th 3-4	B1
	ME 680	Experimental Method	2-0-2-6	YES	NO	YES	NO	NO	YES	MP	Tu8-9, W8-9, Th3-5	
	ME 608	Computer Aided Design-Computer Aided Manufacturing	2-0-2-6	YES	YES	NO	YES	NO	NO	SNJ	B1, Th 3-4	
	EM502	Modelling, Dynamics and control of EVs	3-0-2-8	YES	YES	NO	NO	NO	NO	KK	B1, Th 3-4, Tu 3-4	
G-2	RA 501	Fundamental of Robotics	3-0-0-6	YES	YES	YES	YES	YES	YES	SKD	D, Thu11-12	D
	ME 640	Robotics and Robot Application	3-0-0-6	YES	YES	NO	YES	YES	NO	SMH	D	
	ME 678	Mechanics of Sheet Metal Forming	3-0-0-6	YES	YES	NO	YES	YES	NO	RGN		
	ME 659	Tribology of Bearings	3-0-0-6	NO	YES	NO	NO	YES	NO	SKK		
G-3	ME 676	Theory of Plates and Shells	3-0-0-6	YES	YES	NO	NO	YES	NO	PK	C	C
	ME 512	Welding and Additive Manufacturing	3-0-0-6	YES	NO	NO	CORE	NO	NO	PB		
	ME 689	Smart Materials: Modelling and Application	3-0-0-6	YES	YES	NO	NO	YES	YES	AB		
	ME 521	Conduction and radiation	3-0-0-6	NO	NO	CORE	NO	YES	YES	AMD+D NB		
G-4	ME 531	Mechanical Vibrations	3-0-0-6	YES	CORE	NO	YES	YES	NO	SKD	A	A
	ME 679	Mechanical Behaviour of Materials	3-0-0-6	YES	NO	NO	YES	YES	NO	SB		
	ME 550	Introduction to Aerospace Engineering	3-0-0-6	NO	NO	YES	NO	NO	CORE	GM	M,Tu (2-3), W (9-10)	

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G-5	ME 520	Fluid Mechanics	3-0-0-6	NO	NO	CORE	NO	YES	NO	DNB	M,F,Th (8-9)	D1
	ME 510	Subtractive Manufacturing	3-0-0-6	YES	NO	NO	CORE	NO	NO	MD	D1	
	ME 530	Advanced Mech of Solids	3-0-0-6	NO	CORE	NO	NO	YES	NO	KSRKM	Tu, Th, F (6 to 7PM)	
	ME 551	Aerodynamics	3-0-0-6	NO	NO	NO	NO	YES	CORE	BK	D1	
G-6	ME 532	Finite Element Methods in Engineering	3-0-0-6	YES	CORE	NO	YES	CORE	YES	AN	B	B
	ME 523	Advanced Thermodynamics	3-0-0-6	NO	NO	CORE	NO	NO	YES	NS	G	
G-7	ME609	Optimization Methods in Engineering	3-0-0-6	YES	YES	YES	YES	YES	YES	DS	F1	F1
G-8	ME 674	Soft Computing in Engineering	3-0-0-6	YES	YES	YES	YES	YES	YES	SUP	F	F

Requirement&Availability

Stream	Required No. Of Electives	Available No. Of Groups	Available No. of Electives
B.Tech 7 th	2	6	13
MD	1	3	8
FT	1	3	4
MSE	2	4	7
CM	2	4	12
AP	2	4	7