YES: CAN OPT;   NO: CANNOT OPT   CORE: COMPULSORY

Group	Course code	Course title	L-T-P-C	Open for						Instructor
				B.Tech.	MD	FT	MSE	CM	AP	
G-1	ME 543	Computational Fluid Dynamics	3-0-0-6	YES	NO	YES	NO	CORE	YES	AKD
	ME 678	Mechanics of Sheet Metal Forming	3-0-0-6	YES	YES	NO	YES	NO	NO	RGN
	ME 659	Tribology of Bearings	3-0-0-6	NO	YES	YES	YES	NO	NO	SKK
	EM502	Modelling, Dynamics and control of EVs	3-0-2-8	YES	YES	NO	YES	NO	NO	KK
G-2	RA 501	Fundamental of Robotics	3-0-0-6	YES	YES	NO	YES	YES	NO	SKD
	ME 640	Robotics and Robot Application	3-0-0-6	YES	YES	NO	YES	YES	NO	SMH
	ME 606	Solidification Processing	3-0-0-6	YES	YES	NO	YES	YES	NO	SB
	ME 650	Gas Turbine Theory	3-0-0-6	YES	NO	YES	NO	YES	YES	UKS
G-3	ME 676	Theory of Plates and Shells	3-0-0-6	YES	YES	NO	NO	YES	NO	PK
	ME 512	Welding and Additive Manufacturing	3-0-0-6	YES	YES	NO	CORE	NO	NO	PB
	ME 520	Fluid Mechanics	3-0-0-6	YES	NO	CORE	NO	YES	NO	DNB
	ME 551	Aerodynamics	3-0-0-6	YES	NO	NO	NO	YES	CORE	BK
G-4	ME 531	Mechanical Vibrations	3-0-0-6	YES	CORE	NO	YES	YES	NO	RT
	ME 679	Mechanical Behaviour of Materials	3-0-0-6	YES	NO	NO	YES	YES	NO	PKH
	ME 550	Introduction to Aerospace Engineering	3-0-0-6	YES	NO	YES	NO	YES	CORE	GM
	EM 503	Energy storage & conversion	3-0-2-8	YES	NO	YES	YES	NO	NO	PMK

G-5	ME 521	Conduction and radiation	3-0-0-6	YES	NO	CORE	NO	YES	YES	AMD
	ME 510	Subtractive Manufacturing	3-0-0-6	YES	NO	NO	CORE	NO	NO	MD
	ME 530	Advanced Mech of Solids	3-0-0-6	NO	CORE	NO	NO	YES	NO	KSRKM
G-6	ME 532	Finite Element Methods in Engineering	3-0-0-6	YES	CORE	NO	YES	CORE	YES	AN
	ME 523	Advanced Thermodynamics	3-0-0-6	YES	NO	CORE	NO	NO	YES	MP
G-7	ME609	Optimization Methods in Engineering	3-0-0-6	YES	YES	YES	YES	YES	YES	DS