

MECHANICAL ENGINEERING SEMESTER V & VI SCHEME AY 2024-25

SEMESTER - V							
Sr. No.	Course Category	Course Code	Title of the Course	L	T	P	TCr
1	Major	MEC-300	Dynamics of Machines	3	0	0	3
		MEC-301	Dynamics of Machines Lab	0	0	1	1
2	Major	MEC-302	Material Science and Metallurgy	3	0	0	3
		MEC-303	Material Science and Metallurgy Lab	0	0	1	1
3	Major	MEC-304	Manufacturing Technology - II	3	0	0	3
		MEC-305	Manufacturing Technology - II Lab	0	0	1	1
4	Major	MEC-306	Engineering Statistics	2	0	0	2
		MEC-307	Engineering Statistics Lab	0	0	2	2
5	Prof. Elective	MEC-321	Composite Materials	3	0	0	3
		MEC-322	Composite Materials Lab	0	0	1	1
		OR					
		MEC-323	Mechatronics	3	0	0	3
		MEC-324	Mechatronics Lab	0	0	1	1
		OR					
		MEC-325	Power Plant Engineering	3	0	0	3
		MEC-326	Power Plant Engineering Lab.	0	0	1	1
		TOTAL		14	0	6	20

SEMESTER - VI							
Sr. No.	Course Category	Course Code	Title of the Course	L	T	P	TCr
1	Major	MEC-308	Heat and Mass Transfer	3	0	0	3
		MEC-309	Heat and Mass Transfer Lab	0	0	1	1
2	Major	MEC-310	Machine Design	3	0	0	3
		MEC-311	Machine Design Lab	0	0	1	1
3	Major	MEC-312	Digital Manufacturing	2	0	0	2
		MEC-313	Digital Manufacturing Lab	0	0	2	2
4	Major	MEC-314	Industrial Engineering and Operations Management	3	0	0	3
		MEC-315	Industrial Engineering and Operations Management Lab	0	0	1	1
5	Prof. Elective	MEC-327	Automobile Engineering and Electric Vehicles	3	0	0	3
		MEC-328	Automobile Engineering and Electric Vehicles Lab	0	0	1	1
		OR					
		MEC-329	Mechanical Vibration & Control Systems	3	0	0	3
		MEC-330	Mechanical Vibration & Control Systems Lab	0	0	1	1
		OR					
		MEC-331	Fluid Power Control	3	0	0	3
		MEC-332	Fluid Power Control Lab	0	0	1	1
TOTAL				14	0	6	20