B.Tech Mechanical Engineering Course

Syllabus

SEMESTER – III				
S. No.	**Course Name**	**L–T–P**	**Cr.**	
1	Math-III (Numerical Methods)	3-1-0	4	Common for ME/AE/Civil
2	Manufacturing Processes	3-0-0	3	Common for ME/AE
3	Engineering Mechanics	3-1-0	4	Common For ME/AE/Civil
4	Thermodynamics	3-1-0	4	Common For ME/AE
5	Fluid Mechanics	3-1-0	4	
6	Engineering Economics & Industrial Management	3-0-0	3	
7	Manufacturing Process Lab	0-0-2	1	
8	Fluid Mechanics Lab	0-0-2	1	
	TOTAL	**18-4-4**	**24**	

SEMESTER – IV

S. NO.	Subject Name	L T P	Credits	
1	Applied thermodynamics	3-1-0	4	Common for ME/AE
2	Strength Of Material	3-1-0	4	Common For ME/AE/Civil
3	fluid Mechanics & Machine	3-1-0	4	Common For ME/AE
4	Kinematics of Machine	3-1-0	4	
5	Applied Thermodynamic Lab	0-0-2	1	Common For ME/AE
6	Strength Of material- Lab	0-0-2	1	Common For ME/AE/Civil
7	Machine Drawing	0-0-4	2	Common For ME/AE
TOTAL		12-4-8	20	

SEMESTER – V			
S. No.	Course Name	L-T-P	Cr.
1	Dynamics of Machine	3-1-0	4
2	Manufacturing Technology	3-0-0	3
3	Heat Transfer	3-1-0	4
4	Solid Mechanics	3-1-0	4
5	Design of Machine Elements	3-1-0	4
6	Dynamics of Machine Lab	0-0-2	1
7	Manufacturing Technology Lab	0-0-2	1
8	Heat Transfer Lab	0-0-2	1

	TOTAL	15-4-6	22

SEMESTER – VI			
S. No.	**Course Name**	**L–T–P**	**Cr.**
1	Instrument & Control	3-1-0	4
2	Materials Science	3-0-0	3
3	Machine Design II	3-1-0	4
4	Elective – I	3-0-0	3
5	Elective – II	3-0-0	3
6	Elective – III	3-0-0	3
7	Instrument & Control Lab	0-0-2	1
8	Material Science Lab	0-0-2	1
9	**Elective – I LAB**	0-0-2	1
10	**Elective – II Lab**	0-0-2	1
	TOTAL	20-2-12	24

SEMESTER – VII			
S. No.	**Course Name**	**L–T–P**	**Cr.**
1	Automation In Manufacturing	3-0-0	3
2	Mechanical Vibrations	3-1-0	4

3	Open Elective- (Humanities)	3-0-0	3
4	Elective – IV	3-0-0	3
5	Elective – III Lab	0-0-2	1
6	Project – I	0-0-8	4
	TOTAL	18-1-10	21

SEMESTER – VIII			
S. No.	**Course Name**	**L–T–P**	**Cr.**
1	Online Mode (MOOC)	3-3-0	3
2	Internship	0-0-32	16
	TOTAL	3-0-32	19