



Department of Mechanical Engineering
Scheme for M. Tech in Smart Manufacturing

S. No.	Course Name	Category	I-P	Credits
1	Introduction to Smart Manufacturing	PEC	3-0	3
2	Applied AI for Manufacturing	PEC	3-0	3
3	Mechatronic Product Design	PEC	3-0	3
4	Advanced Manufacturing Processes	PEC	3-0	3
5	Free Elective-I	PEC	3-0	3
6	Applied AI for Manufacturing Practice	PEC	0-3	2
7	Mechatronic Product Design Practice	PEC	0-3	2
8	Advanced Manufacturing Practice	PEC	0-3	2
9	Seminar	PCD	0-3	2
			Total	23
Semester II				
S. No.	Course Name	Category	I-P	Credits
1	Industrial IoT and Cloud Computing	PEC	3-0	3
2	Modelling and Simulation of Manufacturing Systems	PEC	3-0	3
3	Micro and Nano Manufacturing Technology	PEC	3-0	3
4	Elective-I	PEC	3-0	3
5	Elective-II	PEC	3-0	3
6	Free Elective-II	PEC	3-0	3
7	Industrial IoT and Cloud Computing Practice	PEC	0-3	2
8	Manufacturing Simulation Practice	PEC	0-3	2
9	Comprehensive Viva-Voce	PEC	0-3	2
			Total	24
Semester III				
S. No.	Course Name	Category	I-P	Credits
1	Dissertation Work-I	PCD	0-25	10
			Total	10
Semester IV				
S. No.	Course Name	Category	I-P	Credits
1	Dissertation Work-II	PCD	0	20
			Total	20
Total Credits				77