

M.Tech.Programme in Manufacturing Systems Engineering							
Semester-I							
S.No.	Sub. Code	Subject Name	L	T	P	Hrs	credits
1	MET 811	Design of Experiments	3	1	0	4	4
2	MET 812	Theory of Metal cutting	3	1	0	4	4
3	MEP 812	Theory of Metal cutting Lab	0	0	2	2	1
4	MET 813	Modeling and simulation of Manufacturing Systems	3	1	0	4	4
5	MEP 813	Modeling and simulation of Manufacturing Systems Lab	0	0	2	2	1
6	MET 814	Computer Intergrated Manufacturing Systems	3	1	0	4	4
7	MET 815	Elective-I	3	1	0	4	4
		Total	15	5	4	24	22
Semester-II (A)							
S.No.	Sub. Code	Subject Name	L	T	P	Hrs	credits
1	MET 821	Advanced Machining Processes and Analysis	3	1	0	4	4
2	MET 822	Industrial Automation & Mechatronics	3	1	0	4	4
3	MEP 822	Industrial Automation & Mechatronics Lab	0	0	2	2	1
4	MET 823	Advanced Optimization Techniques	3	1	0	4	4
5	MET 824	Production Management and Quality Engineering	3	1	0	4	4
6	MET 825	Elective-II	3	1	0	4	4
7	MEP 826	Seminar/Minor Project	0	0	2	2	1
		Total	15	5	4	24	22
Semester-II (B)							
	TP 801	Four week trianing in reputed Industry/Laboratory in Institutions of repute such as IITs, NITs, CSIR, DRDO, CSIO etc.					S/US
Semester-III							
S.No.	Sub. Code	Subject Name	L	T	P	Hrs	credits
1	MET 911	Advanced Metal Forming	3	1	0	4	4
2	MET 912	Elective-III	3	1	0	4	4
3	MEP 915	Dissertation (Part-I)	0	0	16	16	8
		Total	6	2	16	24	16
Semester-IV							
S.No.	Sub. Code	Subject Name	L	T	P	Hrs	credits
1	MEP 925	Dissertation (Part-II)	0	0	24	24	12
		Total	0	0	24	24	12
		Total Credits : 72					

Elective-I						
S. No.	Sub code	Subject Title	L	P	P	Credits
1.	MET 815 A	Finite Element Methods	3	1	0	4
3.	MET 815 B	Diagnostic Maintenance & Monitoring	3	1	0	4
4.	MET 815 C	Advanced Fabrication and Joining Process	3	1	0	4
5.	MET 815 D	IT in Manufacturing	3	1	0	4
Elective-II						
S. No.	Sub Code	Subject Title	L	P	P	Credits
1	MET 825 A	Fabrication and Processsing of Composite and c	3	1	0	4
2	MET 825 B	Tribology	3	1	0	4
3	MET 825 C	Tool & Die Design	3	1	0	4
4	MET 825 D	Control Systems in Manufacturing	3	1	0	4
5	MET 825 E	Measurement and Industrial Instrumentation	3	1	0	4
Elective-III						
S. No.	Sub Code	Subject Title	L	P	P	Credits
1	MET 912 A	Machine Tool Design	3	1	0	4
2	MET 912 B	Product Design & Development	3	1	0	4
3	MET 912 C	Manufacturing System Analysis	3	1	0	4
4	MET 912 D	Robotics	3	1	0	4