

I M.TECH. MANUFACTURING ENGINEERING												
SEMESTER - I												
S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	IP82011	Metal Cutting and Machine Tools	3	-	-	3	-	70	30	-	-	100
2	IP82012	Advanced Machining Processes	3	-	-	3	-	70	30	-	-	100
3	IP82013	Computer Aided Manufacturing	3	-	-	3	-	70	30	-	-	100
4	ME82014	Finite Element Method	3	-	-	3	-	70	30	-	-	100
5		Elective I	3	-	-	3	-	70	30	-	-	100
6	IP82454	Computer Aided Manufacturing Lab.	-	-	4	-	2	-	-	40	60	100
7	IP82455	Advanced Machining Processes Lab.	-	-	4	-	2	-	-	40	60	100
8	ME82456	FEM Lab.	-	-	2	-	1	-	-	40	60	100
9	IP82498	Comprehensive Viva	-	-	-	-	-	-	-	-	100	100
Total			15	0	10	15	5	350	150	120	280	900
SEMESTER - II												
S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	IP82511	Rapid Prototyping and Tooling	3	-	-	3	-	70	30	-	-	100
2	IP82512	Casting and Forming Processes	3	-	-	3	-	70	30	-	-	100

[illegible]

1	ME82711	Mechatronics & Automation										
2	IP82712	Robotics and Manufacturing Automation										
3	IP82713	Experimental Design, Data Analysis and Quality Control										
4	IP82714	Numerical Modelling of Manufacturing Processes										
II M.TECH. MANUFACTURING ENGINEERING												
SEMESTER - III												
S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	IP82931	*Industrial Training/Term Paper/Seminar-II	-	-	8	-	4	-	-	50	-	50
2	IP82933	Dissertation Phase-I	-	-	20	-	10	-	-	40	60	100
3	MA82902	**Research Methodology & IPR	2	-	-	2	-	70	30	-	-	100
Total			2	0	28	2	14	70	30	90	60	250
* Industrial training to be carried out between II and III semester during vacation												
** This course can be studied online with prior permission of HOD, however, End-semester examination will be conducted in the Institute.												
SEMESTER - IV												
S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	IP82953	Dissertation Phase-II	-	-	32	-	16	-	-	80	120	200
Total			0	0	32	0	16	0	0	80	120	200