

SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE
LM:TECH. CAD/CAM/CAE

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	MA87008	Advanced Mathematical Methods in Engineering	3	-	-	3	-	70	30	-	-	100
4	ME87016	Computer Aided Design	3	-	-	3	-	70	30	-	-	100
5	ME87014	Finite Element Analysis	3	-	-	3	-	70	30	-	-	100
6		Elective - I	3	-	-	3	-	70	30	-	-	100
7		Elective - II	3	-	-	3	-	70	30	-	-	100
8	ME87454	FEM Lab	-	-	4	-	2	-	-	40	60	100
9	ME87455	CAD Lab	-	-	4	-	2	-	-	40	60	100
10	ME87499	Comprehensive Viva	-	-	-	-	-	-	-	-	Grade	Grade
Total			15	0	8	15	4	350	150	80	120	700

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	ME87507	Rapid Prototyping and Tooling	3	-	-	3	-	70	30	-	-	100
2	IP87508	Computer Aided Manufacturing	3	-	-	3	-	70	30	-	-	100
3	ME87509	Mechatronics and Automation	3	-	-	3	-	70	30	-	-	100
4		Elective-III	3	-	-	3	-	70	30	-	-	100
5		Elective-IV	3	-	-	3	-	70	30	-	-	100
6	ME87853	Rapid Prototyping and Tooling Lab.	-	-	4	-	2	-	-	40	60	100
7	ME87854	Mechatronics and Automation Lab.	-	-	2	-	1	-	-	40	60	100
8	ME87882	Minor Project Seminar - I	-	-	2	-	1	-	-	50	-	100
9	ME87899	Comprehensive Viva	-	-	-	-	-	-	-	-	Grade	Grade
Total			15	0	8	15	4	350	150	130	120	800

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I M.TECH. CAD/CAM/CAE

List of Elective

Electives I		SEMESTER -I
S.No.	Subject Code	Subject
1	ME87201	Advanced Machine Design
2	ME87202	Advance Engineering Materials
3	ME87203	Analysis and Synthesis of Mechanism
4	ME87204	Computer Aided Process Planning

Electives II		SEMESTER -I
S.No.	Subject Code	Subject
1	ME87301	Hydraulic and Pneumatic Control
2	ME87302	Bio Mechanics
3	ME87303	Design for Manufacturing and Assembly
4	ME87304	MEMS and NEMS

Electives III		SEMESTER -II
S.No.	Subject Code	Subject
1	ME87705	Product Design and Development
2	ME87706	Advanced Stress Analysis
3	ME87707	Advanced Finite Element Methods
4	ME87708	Design of Thermal System

Electives IV		SEMESTER -II
S.No.	Subject Code	Subject
1	ME87754	Quantitative Techniques
2	ME87755	Optimization Techniques in Design
3	ME87756	Computational Fluid Dynamics
4	ME87757	Robotics