

## SHRI G S INSTITUTE OF TECHNOLOGY &amp; SCIENCE, INDORE

## I.M.E. CAD/CAM/CAE

348101

## SEMESTER -I

S.No	Sub. Code	Subject	L	T	P	Th. Credit	Pr. Credit	MAXIMUM MARKS				
								TH	CW	SW	Pr.	Total
1	ME87001	Engineering Materials	4	0	0	4	0	70	30	-	-	100
2	ME87002	Advance Machine Design	4	0	0	4	0	70	30	-	-	100
3	ME87004	Finite Element Analysis	4	0	0	4	0	70	30	-	-	100
4	ME87006	Computer Aided Design	4	0	0	4	0	70	30	-	-	100
5	IP87007	Computer Aided Manufacturing	4	0	0	4	0	70	30	-	-	100
6	ME87451	CAD Lab.	0	0	4	0	4	-	-	40	60	100
7	ME87452	Advance Machine Design Lab	0	0	2	0	2	-	-	40	60	100
8	ME87453	FEM Lab	0	0	2	0	2	-	-	40	60	100
9	ME87481	Seminar I	0	0	2	0	2	-	-	100	-	100
10	ME87500	Comprehensive Viva	0	0	0	0	0	-	-	-	Grade	Grade
Total			20	0	10	20	10	350	150	220	180	900

## SEMESTER -II

S. No.	Sub. Code	Subject	L	T	P	Th. Credit	Pr. Credit	Maximum Marks				
								TH	CW	SW	Pr.	Total
1	ME87501	Mechatronics and Automation	4	0	0	4	0	70	30	-	-	100
2	ME87502	Optimization Techniques	4	0	0	4	0	70	30	-	-	100
3	ME87506	Rapid Prototyping and Tooling	4	0	0	4	0	70	30	-	-	100
4	Elective-I		4	0	0	4	0	70	30	-	-	100
5	Elective-II		4	0	0	4	0	70	30	-	-	100
6	ME87851	Rapid prototyping and Tooling Lab.	0	0	4	0	4	-	-	40	60	100
7	ME87852	Mechatronics and Automation Lab.	0	0	4	0	4	-	-	40	60	100
8	ME87881	Seminar II	0	0	2	0	2	-	-	100	-	100
9	ME87900	Comprehensive Viva	0	0	0	0	0	-	-	-	Grade	Grade
Total			20	0	10	20	10	350	150	180	120	800

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## SHRI G S INSTITUTE OF TECHNOLOGY &amp; SCIENCE, INDORE

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## List of Subjects for Electives I &amp; II

S.NO.	Sub.Code	Subject	S.No.	Sub.Code	Subject
1	ME87701	Computational Fluid Dynamics	1		MEMS and NEMS
2		Instrumentation and Control Systems	2	ME87751	Product Design and Development(ME 8782)
3	ME87703	Computer Aided Design of Thermal Systems (ME 8773)	3		Computer Aided Process Planning
4		Robotics and Expert Systems			

E IIB

E IIA

→ Elective I

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II M.E. CAD/CAM/CAE

348201

## SEMESTER -III

S.No	Sub. Code	Subject	L	T	P	Th. Credit	Pr. Credit	MAXIMUM MARKS				
								TH	CW	SW	Pr.	Total
1	ME87901	Dissertation Phase- I	0	0	20	0	20	0	0	100	150	250
		Total	0	0	20	0	20	0	0	100	150	250

## SEMESTER -IV

S. No.	Sub. Code	Subject	L	T	P	Th. Credit	Pr. Credit	Maximum Marks				
								TH	CW	SW	Pr.	Total
1	ME 8794	Dissertation Phase- II	0	0	30	0	30	0	0	160	240	400
		Total	0	0	30	0	30	0	0	160	240	400

(Admitted in and after 2017)

S. No.	Sub. Code	Subject	L	T	P	Th. Credit	Pr. Credit	Maximum Marks				
								TH	CW	SW	Pr.	Total
1	ME87951	Dissertation Phase- II	0	0	30	0	30	0	0	160	240	400
		Total	0	0	30	0	30	0	0	160	240	400

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