

Scheme  
2017

I.M.E. CAD/CAM/CAE

SEMESTER -I

ME 87001

S.No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	<del>ME87008</del>	<del>Advanced Mathematical Methods in Engineering</del> <i>materials Engineering</i>	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	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			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

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

Electives I		SEMESTER -II	
S.NO.	Sub.Code	Subject	
1	ME87701	Computational Fluid Dynamics	
2	ME87702	Instrumentation and Control Systems	Discontinued from 2021
3	ME87703	Computer Aided Design of Thermal Systems (ME 8773)	
4	ME87704	Robotics and Expert Systems	Discontinued from 2021
5		<b>Hydraulic and Pneumatic Control</b>	
6		<b>Bio machenics</b>	

Electives II		SEMESTER -II	
S.No.	Sub.Code	Subject	
1	ME87752	MEMS and NEMS	
2	ME87751	Product Design and Development(ME 8782)	
3	ME87753	Computer Aided Process Planning	
4		<b>Robotics</b>	

5/11/20  
20/11/20

SEMESTER -III

S.No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	MAXIMUM MARKS				
			L	T	P			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	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			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	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			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