

**SHIVAJI UNIVERSITY KOLHAPUR**  
**M. E. MECHANIAL (Design Engineering) (Revised)**  
**Part-I**

Sr. No.	Name of the subject	Teaching Scheme		Examination			Total Marks
		L	T/P	T/W	TP	ORAL	
1	Computational Techniques In Design Engineering	3	2	25	100	-	125
2	Industrial Instrumentation	3	2	25	100	-	125
3	Solid Mechanics	3	1	25	100	-	125
4	Design of Experiments and Research Methodology	3	1	25	100	-	125
5	Elective-I	3	1	25	100	-	125
6	Seminar I	-	2	25	-	-	25
Total		15	9	150	500	-	650

L-Lecture, T/P-Tutorial, T/W- Term Work, TP- Theory Examination

**Part-II**

Sr. No.	Name of the subject	Teaching Scheme		Examination			Total Marks
		L	T/P	T/W	TP	ORAL	
1	Design Engineering	3	1	25	100	-	125
2	M/C Dynamics	3	2	25	100	-	125
3	Experimental Stress Analysis	3	2	25	100	-	125
4	Industrial Product Design	3	1	25	100	-	125
5	Elective II	3	1	25	100	-	125
6	Seminar II	-	2	25	-	-	25
7	Inplant Training	-	-	-	-	-	-
Total		15	9	150	500	-	650

- In plant training report for the training for at least two week undertaking in the vacation after semester II is to be submitted in semester II.

**List Of The Electives**

**Elective-I**

- 1) Reverse Engineering
- 2) Engineering Design Optimization
- 3) Reliability Engineering
- 4) FEM
- 5) Synthesis & Analysis of Mechanisms and Machines

**Elective-II**

- 1) Process Equipment design
- 2) Process Equipment Design
- 3) Machine Tool Design
- 4) Robotics
- 5) Tribology

**SHIVAJI UNIVERSITY KOLHAPUR**  
**M. E. MECHANIAL (Design Engineering) (Revised)**  
**Part-III**

Sr. No.	Name of the subject	Teaching Scheme		Examination			Total Marks
		L	T/P	T/W	TP	ORAL	
1	In-plant Training	-	-	50	-	-	50
2	Seminar-III	-	1	-	-	50	50
3	Dissertation-phase I	-	4	50	-	-	50
Total		-	5	100	-	50	150

**Part-IV**

Sr. No.	Name of the subject	Teaching Scheme		Examination			Total Marks
		L	T/P	T/W	TP	ORAL	
1	Dissertation	-	5	200	-	100	300
Total		-	5	200	-	100	300