

**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI
(C.G.)**

Scheme of Teaching & Examination

M.E. Mechanical Engg. (Design)

I Semester

S. No.	Board of Study	Subject Code	Subject	Periods per Week			Scheme of Examination			Total Marks	Credit L+(T+P)/2
				L	T	P	Theory / Practical				
							ESE	CT	TA		
1	Mech. Engg.	548111 (37)	Tribology	3	1	-	100	20	20	140	4
2	Mech. Engg.	548112 (37)	Mechanical Vibration	3	1	-	100	20	20	140	4
3	Mech. Engg.	548113 (37)	Advanced Dynamics of Machine	3	1	-	100	20	20	140	4
4	Mech. Engg.	548114 (37)	Theory of Elasticity & Plasticity	3	1	-	100	20	20	140	4
5	Refer	Table-I	Elective-1	3	1	-	100	20	20	140	4
6	Mech. Engg.	548121 (37)	Tribology Lab	-	-	3	75	-	75	150	2
7	Mech. Engg.	548122 (37)	Mechanical Vibration Lab	-	-	3	75	-	75	150	2
Total				15	5	6	650	100	250	1000	24

L- Lecture
P- Practical ,
CT- Class Test

T- Tutorial
ESE- End Semester Exam
TA- Teacher's Assessment

**Table -I
ELECTIVE I**

S.No.	Board of Study	Subject Code	Subject
1	Mech. Engg.	548131 (37)	Optimization Techniques
2	Mech. Engg.	548132 (37)	Composite Materials
3	Mech. Engg.	548133 (37)	Analysis & Design of Pressure Vessels & Components

Note (1) – 1/4th of total strength of students subject to minimum of twenty students is required to offer an elective in the college in a Particular academic session .

Note (2) – Choice of elective course once made for an examination cannot be changed in future examinations.

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II Semester

S. No.	Board of Study	Subject Code	Subject	Periods per Week			Scheme of Examination			Total Marks	Credit L+(T+P)/2
				L	T	P	Theory / Practical				
							ESE	CT	TA		
1	Mech. Engg.	548211 (37)	Finite Element Methods	3	1	-	100	20	20	140	4
2	Mech. Engg.	548212 (37)	CAD/CAM Application	3	1	-	100	20	20	140	4
3	Mech. Engg.	548213 (37)	Advanced Machine Tool Design	3	1	-	100	20	20	140	4
4	Mech. Engg.	548214 (37)	Advanced Mechanism	3	1	-	100	20	20	140	4
5	Refer Table-II		Elective-1	3	1	-	100	20	20	140	4
6	Mech. Engg.	548221 (37)	Finite Element Method Lab	-	-	3	75	-	75	150	2
7	Mech. Engg.	548222 (37)	CAD/CAM Lab	-	-	3	75	-	75	150	2
Total				15	5	6	650	100	250	1000	24

L- Lecture

T- Tutorial

P- Practical ,

ESE- End Semester Exam

CT- Class Test

TA- Teacher's Assessment

Table-II

ELECTIVE - II

S.No.	Board of Study	Subject Code	Subject
1	Mech. Engg.	548231 (37)	Experimental Stress Analysis
2	Mech. Engg.	548232 (37)	Measurement System Analysis
3	Mech. Engg.	548233 (37)	Computer Graphics & Visualization

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M.E. Mechanical Engg. (Design)

III Semester

S. No.	Board of Study	Subject Code	Subject	Periods per Week			Scheme of Examination			Total Marks	Credit L+(T+P)/2
				L	T	P	Theory / Practical				
							ESE	CT	TA		
1	Mech. Engg.	548311 (37)	Robotics	3	1	-	100	20	20	140	4
2	Mech. Engg	548312 (37)	Fatigue & Creep	3	1	-	100	20	20	140	4
3	Mech. Engg	548321 (37)	Preliminary work on Dissertation	-	-	28	100	-	100	200	14
4	Mech. Engg	548322 (37)	Seminar on Industrial Training and Dissertation	-	-	03	-	-	20	20	2
Total				6	2	31	300	40	160	500	24

L- Lecture

T- Tutorial

P- Practical ,

ESE- End Semester Exam

CT- Class Test

TA- Teacher's Assessment

Note (1) – **1/4th of total strength of students subject to minimum of twenty students is required to offer an elective in the college in a Particular academic session .**

Note (2) – **Choice of elective course once made for an examination cannot be changed in future examinations.**

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IV Semester

S. No.	Board of Study	Subject Code	Subject	Periods per Week			Scheme of Examination			Total Marks	Credit L+(T+P)/2
				L	T	P	Theory / Practical				
							ESE	CT	TA		
1	Mech. Engg.	548421 (37)	Project + Seminar	6	-	34	300	-	200	500	23
Total				6	-	34	300	-	200	500	23

L- Lecture T- Tutorial
P- Practical , ESE- End Semester Exam
CT- Class Test TA- Teacher's Assessment

Scheme of marks Allotment

Semester	Total Marks	Grand Total
I	1000	3000
II	1000	
III	500	
IV	500	