

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

Scheme of Teaching & Examination

M. Tech. in CAD - CAM

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	558111 (37)	Product Design and Development Strategies	3	1	-	100	20	20	140	4
2	Mech. Engg	558112 (37)	Computer Aided Design	3	1	-	100	20	20	140	4
3	Mech. Engg	558113 (37)	Automation in Manufacturing	3	1	-	100	20	20	140	4
4	Mech. Engg	558114 (37)	Robotics	3	1	-	100	20	20	140	4
5	Refer Table - I		Elective – I	3	1	-	100	20	20	140	4
6	Mech. Engg	558121 (37)	CAD Lab	-	-	3	75	-	75	150	2
7	Mech. Engg	558122 (37)	Robotics 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-I

ELECTIVE I			
S.No.	Board of Study	Subject Code	Subject
1	Mech Engg	558131 (37)	Composite Materials
2	Mech Engg	558132 (37)	Computational Techniques
3	Mech Engg	558133 (37)	Stress Analysis and Vibration

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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Scheme of Teaching & Examination

M. Tech. in CAD - CAM

II Semester

S. No.	Board of Study	Subject Code	Subject	Periods per Week			Scheme of Examination			Total Marks	Credit L+(T+P)/2
							Theory / Practical				
				L	T	P	ESE	CT	TA		
1	Mech. Engg	558211 (37)	Computer control of M/c tools	3	1	-	100	20	20	140	4
2	Mech. Engg	558212 (37)	Optimization Technique	3	1	-	100	20	20	140	4
3	Mech. Engg	558213 (37)	Rapid Prototyping	3	1	-	100	20	20	140	4
4	Mech. Engg.	558214 (37)	Finite Element Analysis	3	1	-	100	20	20	140	4
5	Refer Table - II		Elective-II	3	1	-	100	20	20	140	4
6	Mech. Engg	558221 (37)	CAM LAB	-	-	3	75	-	75	150	2
7	Mech. Engg	558222 (37)	OT LAB	-	-	3	75	-	75	150	2
Total				15	5	6	650	100	250	1000	24

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

Note : Duration of all theory papers will be of Three Hours.

Table-II

ELECTIVE- I I			
S.No.	Board of Study	Subject Code	Subject
1	Mech Engg	558231 (37)	Mechatronics
2	Mech Engg	558232 (37)	Computer Aided Process Planing
3	Mech Engg	558233 (37)	Design for Manufacturing

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CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI (C.G.)**Scheme of Teaching & Examination****M. Tech. in CAD - CAM****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	558311 (37)	Database Management System	3	1	-	100	20	20	140	4
5	Refer Table – III		Elective-III	3	1	-	100	20	20	140	4
6	Mech. Engg	558321 (37)	Preliminary work on dissertation	-	-	28	100	-	100	200	14
7	Mech. Engg	558322 (37)	Seminar Based on dissertation	-	-	3	-	-	20	20	2
Total				6	2	31	300	40	160	500	24

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

Note : Duration of all theory papers will be of Three Hours.

Table-III

ELECTIVE- III			
S.No.	Board of Study	Subject Code	Subject
11	Mech Engg	558331 (37)	Computer Integrated Manufacturing
2	Mech Engg	558332 (37)	Computer Aided Production Management
3	Mech Engg	558333 (37)	Computational Fluid Dynamics

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CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI (C.G.)**Scheme of Teaching & Examination****M. Tech. in CAD - CAM****IV Semester**

S.N.	Board of Study	Subject Code	Subject Name	Periods per week			Scheme of Exam			Total Marks	Credit L+(T+P)/2
				L	T	P	Theory/Practical				
							ESE	CT	TA		
1	Mechanical Engg.	558421 (37)	Dissertation + Seminar	6		34	300		200	500	23
Total				6	-	34	300		200	500	23

L-Lecture, T- Tutorial, P- Practical, ESE- End Semester Examination, 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	