



Chhattisgarh Swami Vivekanand Technical University (CSVTU), Bhilai (C.G.)

SCHEME OF TEACHING AND EXAMINATION

B.Tech (Third Semester – Mechanical Engineering)

Sl. No.	Board of Studies (BOS)	Courses (Subject)	Course Code	Period per Week			Scheme of Examination			Total Marks	Credit
				L	T	P	Theory/Lab				
							ESE	CT	TA		
1.	Basic Science	Mathematics - III	B000311(014)	3	1	-	100	20	30	150	4
2.	Mech. Engg.	Mechanical Measurement and Metrology	B037312(037)	2	1	-	100	20	30	150	3
3.	Mech. Engg.	Engineering Mechanics	B037313(037)	2	1	-	100	20	30	150	3
4.	Mech. Engg.	Engineering Thermodynamics	B037314(037)	2	1	-	100	20	30	150	3
5.	Mech. Engg.	Material Science	B037315(037)	2	1	-	100	20	30	150	3
6.	Mech. Engg.	Computer Aided Machine Drawing Lab	B037321(037)	-	-	4	40	-	20	60	2
7.	Mech. Engg.	Mechanical Measurement and Metrology Lab	B037322(037)	-	-	2	40	-	20	60	1
8.	Mech. Engg.	Engineering Thermodynamics Lab	B037323(037)	-	-	2	40	-	20	60	1
9.	Mech. Engg.	Software Lab	B037324(037)	-	-	2	40	-	20	60	1
10.	Humanities	Personality Development	B000306(046)	-	-	2	-	-	10	10	-
Total Marks				11	5	10	660	100	240	1000	21

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

Chhattisgarh Swami Vivekanand Technical University, Bhilai

Scheme of Teaching and Examination

B.Tech. (Mechanical Engineering) IV Semester

S. No.	Board of Study	Courses (Subject)	CourseCode	Period per Week			Scheme of Examination			Total Marks	Credit
				L	T	P	Theory/Lab				
							ESE	CT	TA		
1	Mech. Engg.	Applied Thermodynamics	B037411(037)	2	1	-	100	20	30	150	3
2	Mech. Engg.	Fluid Mechanics	B037412(037)	3	1	-	100	20	30	150	4
3	Mech. Engg.	Strength of Materials	B037413(037)	2	1	-	100	20	30	150	3
4	Mech. Engg.	Manufacturing Process	B037414(037)	2	1	-	100	20	30	150	3
5	Mech. Engg.	Kinematic of Machine	B037415(037)	3	1	-	100	20	30	150	4
6	Mech. Engg.	Fluid Mechanics Lab	B037421(037)	-	-	2	40	-	20	60	1
7	Mech. Engg.	Material Testing Lab	B037422(037)	-	-	2	40	-	20	60	1
8	Mech. Engg.	Manufacturing Process Lab	B037423(037)	-	-	2	40	-	20	60	1
9	Mech. Engg.	Virtual Lab	B037424(037)	-	-	2	40	-	20	60	1
10	Mandatory Course	Indian Culture and Constitution of India	B000406(046)	-	-	2	-	-	10	10	-
Total Marks				12	5	10	660	100	240	1000	21

L: Lecture, T: Tutorial, P: Practical, ESE: End Semester Exam, CT: Class Test, TA:

Teachers Assessment Note: Duration of End Semester Examination all theory papers will be of Three Hours.

Note 1: Industrial Training of six weeks is mandatory for B.Tech. Students. It is to be completed in two parts. The first part will be in summer (after IV semester) after which students have to submit a training report which will be evaluated by the college teachers during V Semester.



Chhattisgarh Swami Vivekanand Technical University (CSVTV, NEWAI (C.G.))

SCHEME OF TEACHING AND EXAMINATION

B Tech (Fifth Semester – Mechanical Engineering)

Sl. No.	Board of Studies	Courses (Subject)	Course Code	Period per Week			Theory/Lab			Total Marks	Credits
				L	T	P	ESE	CT	TA		
				1.	Mech. Engg.	Internal Combustion Engine	C037511(037)	2	1		
2.	Mech. Engg.	Solid Mechanics	C037512(037)	3	1	-	100	20	30	150	4
3.	Mech. Engg.	Fluid Machines	C037513(037)	2	1	-	100	20	30	150	4
4.	Mech. Engg.	Dynamics of Machine	C037514(037)	3	1	-	100	20	30	150	3
5.	Professional Elective-1 (Refer Table I)			2	1	-	100	20	30	150	3
6.	Mech. Engg.	Internal Combustion Engine Lab	C037521(037)	-	-	2	40	-	20	60	1
7.	Mech. Engg.	Dynamics of Machine Lab	C037522(037)	-	-	2	40	-	20	60	1
8.	Mech. Engg.	Fluid Machines Lab	C037523(037)	-	-	2	40	-	20	60	1
9.	Mech. Engg.	Project-I based on Summer Internship/ Industrial Training	C037524(037)	-	-	2	40	-	20	60	1
10.	Civil Engg.	Environmental Studies	C000506(020)	-	-	2	-	-	10	10	-
Total				13	5	10	660	100	240	1000	21

L – Lecturer ,T – Tutorial, P – Practical , CT –ClassTest ESE – End Semester Exam TA – Teacher’s Assessment

- **Note:** - The students have to attend the four weeks industrial training / summer internship in B. Tech program after fourth semester, which will be evaluated in fifth semester.

Table I (Professional Elective I)

S.N.	Board of Studies	Course Code	Subject
1.	Mechanical Engg.	C037531(037)	Operation Research
2.	Mechanical Engg	C037532(037)	Composite Materials
3.	Mechanical Engg.	C037533(037)	Gas Dynamics and Jet Propulsion

Note: (1) 1/4th of total strength of students subject to minimum of 20 students is required to offer and elective in the college in a particular academic session.

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