



# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Mechanical Engineering

### Semester – III

#### Scheme of Studies :

S. No.	Board of Study	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	P	T	Credit L+T+(P/2)
1	Electrical & Electronics Engineering	2037371(025)	Basic Electrical and Electronics	2	-	1	3
2	Mechanical Engineering	2037372(037)	Strength of Material	2	-	1	3
3	Mechanical Engineering	2037373(037)	Thermal Engineering	2	-	1	3
4	Mechanical Engineering	2037374(037)	Machine Drawing and Computer Aided Drafting	2	-	1	3
5	Mechanical Engineering	2037375(037)	Material Technology	2	-	1	3
6	Electrical & Electronics Engineering	2037361(025)	Basic Electrical and Electronics (Lab)	-	2	-	1
7	Mechanical Engineering	2037362(037)	Strength of Material (Lab)	-	2	-	1
8	Mechanical Engineering	2037363(037)	Thermal Engineering (Lab)	-	2	-	1
9	Mechanical Engineering	2037364(037)	Machine Drawing and Computer Aided Drafting (Lab)	-	4	-	2
10	Mechanical Engineering	2037365(037)	Material Technology (Lab)	-	2	-	1
11	Humanities	-	Health, Hygiene and Yoga	-	2	-	-
12	-	-	Library	-	2	-	-
<b>Total</b>				<b>10</b>	<b>16</b>	<b>05</b>	<b>21</b>

**L-** Lecture,

**T-** Tutorial,

**P-** Practical,

Lecture (L)→ CI Classroom Instruction (Includes different instructional strategies i.e Lecture and others).

Practical (P)→LI Laboratory Instruction (Includes practical performances in Laboratory workshop, field or other locations using different instructional strategies).

Tutorial (T)→ Includes sessional work (SW) (assignment, seminar, mini project etc),Self Learning (SL).



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## Diploma in Mechanical Engineering

### Semester – III

#### Scheme of Examination :

S. No.	Board of Study	Course Code	Course Titles	Scheme of Examination					
				Theory			Practical		Total Marks
				ESE	CT	TA	ESE	TA	
1	Electrical & Electronics Engineering	2037371(025)	Basic Electrical and Electronics	70	20	30	-	-	120
2	Mechanical Engineering	2037372(037)	Strength of Material	70	20	30	-	-	120
3	Mechanical Engineering	2037373(037)	Thermal Engineering	70	20	30	-	-	120
4	Mechanical Engineering	2037374(037)	Machine Drawing and Computer Aided Drafting	70	20	30	-	-	120
5	Mechanical Engineering	2037375(037)	Material Technology	70	20	30	-	-	120
6	Electrical & Electronics Engineering	2037361(025)	Basic Electrical and Electronics (Lab)	-	-	-	30	50	80
7	Mechanical Engineering	2037362(037)	Strength of Material (Lab)	-	-	-	30	50	80
8	Mechanical Engineering	2037363(037)	Thermal Engineering (Lab)	-	-	-	30	50	80
9	Mechanical Engineering	2037364(037)	Machine Drawing and Computer Aided Drafting (Lab)	-	-	-	30	50	80
10	Mechanical Engineering	2037365(037)	Material Technology (Lab)	-	-	-	30	50	80
<b>Total</b>				<b>350</b>	<b>100</b>	<b>150</b>	<b>150</b>	<b>250</b>	<b>1000</b>

ESE : End semester exam

CT : Class Test

TA : Teachers Assessment

- Note:** -
- TA in Theory includes Sessional work (SW) and Attendance (ATT) with weightage of 70% and 30% weightage of total respectively.
  - TA in Practical includes performance of PRA, PDA and Viva-voce with weightage of 50% , 40% and 10% weightage of total respectively .
  - 85% attendance is essential in theory & Practical classes to appear in examination.

**Legend:** - PRA: Process Assessment, PDA: Product Assessment



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## Diploma in Mechanical Engineering

### Semester – IV

#### Scheme of Studies:

S. No.	Board of Study	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	P	T	Credit L+T+(P/2)
1	Mechanical Engineering	2037471(037)	Theory of Machines	2	-	1	3
2	Mechanical Engineering	2037472(037)	Manufacturing Process	2	-	1	3
3	Mechanical Engineering	2037473(037)	Industrial Measurements and Controls	2	-	1	3
4	Mechanical Engineering	2037474(037)	Fluid Mechanics and Machinery	2	-	1	3
5	Mechanical Engineering	2037475(037)	Engineering Metrology	2	-	1	3
6	Mechanical Engineering	2037461(037)	Theory of Machines (Lab)	-	2	-	1
7	Mechanical Engineering	2037462(037)	Manufacturing Process (Lab)	-	2	-	1
8	Mechanical Engineering	2037463(037)	Industrial Measurement and Controls(Lab)	-	2	-	1
9	Mechanical Engineering	2037464(037)	Fluid Mechanics and Machinery (Lab)	-	2	-	1
10	Mechanical Engineering	2037465(037)	Engineering Metrology (Lab)	-	2	-	1
11	-	-	Indian Constitution	2	-	-	-
12	-	-	Library	-	2	-	-
13	Humanities	-	Physical and Mental Fitness	-	2	-	-
<b>Total</b>				<b>12</b>	<b>14</b>	<b>5</b>	<b>20</b>

L- Lecture,

T- Tutorial,

P- Practical,

Lecture (L)→ CI Classroom Instruction (Includes different instructional strategies i.e Lecture and others).

Practical (P)→ LI Laboratory Instruction (Includes practical performances in Laboratory workshop, field or other locations using different instructional strategies).

Tutorial (T)→ Includes sessional work (SW) (assignment, seminar, mini project etc), Self Learning (SL).



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## Diploma in Mechanical Engineering

### Semester – IV

#### Scheme of Examination:

S. No.	Board of Study	Course Code	Course Titles	Scheme of Examination					
				Theory			Practical		Total Marks
				ESE	CT	TA	ESE	TA	
1	Mechanical Engineering	2037471(037)	Theory of Machines	70	20	30	-	-	120
2	Mechanical Engineering	2037472(037)	Manufacturing Process	70	20	30	-	-	120
3	Mechanical Engineering	2037473(037)	Industrial Measurements and Controls	70	20	30	-	-	120
4	Mechanical Engineering	2037474(037)	Fluid Mechanics and Machinery	70	20	30	-	-	120
5	Mechanical Engineering	2037475(037)	Engineering Metrology	70	20	30	-	-	120
6	Mechanical Engineering	2037461(037)	Theory of Machines (Lab)	-	-	-	30	50	80
7	Mechanical Engineering	2037462(037)	Manufacturing Process (Lab)	-	-	-	30	50	80
8	Mechanical Engineering	2037463(037)	Industrial Measurements and Controls (Lab)	-	-	-	30	50	80
9	Mechanical Engineering	2037464(037)	Fluid Mechanics and Machinery (Lab)	-	-	-	30	50	80
10	Mechanical Engineering	2037465(037)	Engineering Metrology (Lab)	-	-	-	30	50	80
<b>Total</b>				<b>350</b>	<b>100</b>	<b>150</b>	<b>150</b>	<b>250</b>	<b>1000</b>

ESE: End semester exam

CT: Class Test

TA: Teachers Assessment

- Note :-**
- TA in Theory includes Sessional work (SW) and Attendance (ATT) with weightage of 70% and 30% weightage of total respectively.
  - TA in Practical includes performance of PRA, PDA and Viva-voce with weightage of 50% , 40% and 10% weightage of total respectively.
  - 85% attendance is essential in theory & Practical classes to appear in examination.
  - Industrial training of 4 weeks duration will be carried out after completion of IV semester and its evaluation will be done in V semester.

**Legend :-** PRA : Process Assessment, PDA : Product Assessment