



Chhattisgarh Swami Vivekanand Technical University, Bhilai

Diploma in Electrical Engineering

Semester – 3rd Sem

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 Engineering	2024351(024)	Electrical Circuits	2	-	1	3
2	Electrical Engineering	2024352(024)	Electrical and Electronic Measurements	2	-	1	3
3	Electrical Engineering	2024353(024)	DC Machines and Transformers	2	-	1	3
4	Electrical Engineering	2024354(024)	Electrical Drawing and CAD	3	-	0	3
5	Electrical & Electronics Engineering	2025355(025)	Basic Electronics	2	-	1	3
6	Electrical Engineering	2024361(024)	Electrical Circuits (Lab)	-	2	-	1
7	Electrical Engineering	2024362(024)	Electrical and Electronic Measurements (Lab)	-	2	-	1
8	Electrical Engineering	2024363(024)	DC Machines and Transformers (Lab)	-	2	-	1
9	Electrical & Electronics Engineering	2024364(025)	Basic Electronics (Lab)	-	2	-	1
10	Electrical Engineering	2024365(024)	Electrical Workshop Practice-I (Lab)	-	2	-	1
11	Humanities	-	Health, Hygiene and Yoga (Non-Credit Subject)	-	2	-	0
12			Library	-	2	-	0
Total				11	14	04	20
Total				29			

L- Lecture, T- Tutorial, P- Practical,

Lecture (L)→ CL 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)



Chhattisgarh Swami Vivekanand Technical University, Bhilai

Diploma in Electrical Engineering

Semester – 3rd Sem

Scheme of Examination:

S. No.	Board of Study	Course Code	Course Titles	Scheme of Examination					
				Theory			Practical (PRA+PDA+Viva)		Total Marks
				ESE	CT	TA	ESE	TA	
1	Electrical Engineering	2024351 (024)	Electrical Circuits	70	20	30	-	-	120
2	Electrical Engineering	2024352 (024)	Electrical and Electronic Measurements	70	20	30	-	-	120
3	Electrical Engineering	2024353 (024)	DC Machines and Transformers	70	20	30	-	-	120
4	Electrical Engineering	2024354 (024)	Electrical Drawing and CAD	70	20	30	-	-	120
5	Electrical & Electronics Engineering	2025355 (025)	Basic Electronics	70	20	30	-	-	120
6	Electrical Engineering	2024361 (024)	Electrical Circuits (Lab)	-	-	-	30	50	80
7	Electrical Engineering	2024362 (024)	Electrical and Electronic Measurements (Lab)	-	-	-	30	50	80
8	Electrical Engineering	2024363 (024)	DC Machines and Transformers (Lab)	-	-	-	30	50	80
9	Electrical & Electronics Engineering	2024364 (025)	Basic Electronics (Lab)	-	-	-	30	50	80
10	Electrical Engineering	2024365 (024)	Electrical Workshop Practice-I (Lab)	-	-	-	30	50	80
11	Humanities	-	Health, Hygiene and Yoga (Non-Credit Subject)	-	-	-	-	-	-
Total				350	100	150	150	250	1000

ESE: End Semester Exam

CT: Class Test

TA: Teachers Assessment

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

- Note:** i. TA in Theory includes Sessional work (SW) and Attendance (ATT), with weightage of 70% and 30 % weightage of total respectively.
 ii. TA in Practical includes performance of PRA, PDA and Viva-Voce with weightage of 50%, 40% and 10 % weightage of total respectively.



Chhattisgarh Swami Vivekanand Technical University, Bhilai

Diploma in Electrical Engineering

Semester – 4th Sem

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 Engg.	2000451(025)	Digital Electronics	2	-	1	3
2	Electrical Engg.	2000452(025)	AC Machines	2	-	1	3
3	Computer Science & Engineering	2000455(022)	Computer Programming and Basic Networking	3	-	0	3
4	Electrical Engineering	2000454(024)	Electrical Power Generation, Transmission & Distribution	2	-	1	3
5	Electrical Engg / Electrical & Electronics Engg.	2000455(024) / 2000456(025)	Electrical Estimating and Costing* / Analog Electronics**	3	-	0	3
6	Electrical & Electronics Engg.	2000461(025)	Digital Electronics (Lab)	-	2	-	1
7	Electrical Engg.	2000462(024)	AC Machines (Lab)	-	2	-	1
8	Computer Science & Engineering	2000463(022)	Computer Programming and Basic Networking (Lab)	-	2	-	1
9	Electrical Engg.	2000464(024)	Electrical Power Generation, Transmission & Distribution (Lab)	-	2	-	1
10	Electrical Engg. / Electrical & Electronics Engg.	2000465(024) / 2000466(025)	Electrical Workshop Practice-II (Lab*) / Analog Electronics (Lab**)	-	2	-	1
11	-	-	Indian Constitution (Non Credit Subject)	-	2	-	0
Total				12	12	03	20
Total				27			

*Subject applicable for Electrical Branch

** Subject applicable for Electrical & Electronic Branch

L- Lecture, T- Tutorial, P- Practical,

Lecture (L)→ CL 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 Learnin (SL)

Note: Summer Internship (Industrial Training) of 4 weeks will be carried out in summer vacation after completion of 4th sem and evaluation will be done in 5th sem.



Chhattisgarh Swami Vivekanand Technical University, Bhilai

Diploma in Electrical Engineering

Semester – 4th Sem

Scheme of Examination:

S. No	Board of Study	Course Code	Course Titles	Scheme of Examination					Total Marks
				Theory			Practical (PRA+PDA+Viva)		
				ESE	CT	TA	ESE	TA	
1	Electrical & Electronics Engg.	2000451(025)	Digital Electronics	70	20	30	-	-	120
2	Electrical Engg.	2000452(025)	AC Machines	70	20	30	-	-	120
3	Computer Science & Engineering	2000455(022)	Computer Programming and Basic Networking	70	20	30	-	-	120
4	Electrical Engg. Engineering	2000454(024)	Electrical Power Generation, Transmission & Distribution	70	20	30	-	-	120
5	Electrical Engg / Electrical & Electronics Engg.	2000455(024) / 2000456(025)	Electrical Estimating and Costing* / Analog Electronics**	70	20	30	-	-	120
6	Electrical & Electronics Engg.	2000461(025)	Digital Electronics (Lab)	-	-	-	30	50	80
7	Electrical Engg.	2000462(024)	AC Machines (Lab)	-	-	-	30	50	80
8	Computer Science & engineering	2000463(022)	Computer Programming and Basic Networking (Lab)	-	-	-	30	50	80
9	Electrical Engg.	2000464(024)	Electrical Power Generation, Transmission & Distribution (Lab)	-	-	-	30	50	80
10	Electrical Engg. / Electrical & Electronics Engg.	2000465(024) / 2000466(025)	Electrical Workshop Practice-II (Lab*) / Analog Electronics (Lab**)	-	-	-	30	50	80
11	-	-	Indian Constitution (Non Credit Subject)	-	-	-	-	-	-
Total				350	100	150	150	250	1000

*Subject applicable for Electrical Branch

** Subject applicable for Electrical & Electronic Branch

ESE: End of semester exam

CT: Class Test

TA: Teachers Assessment

PRA: Process Assessment, PDA: Product Assessment

Note: i. TA in Theory includes Sessional work (SW) and Attendance (ATT), with weightage of 70% and 30 % weightage of total respectively.

ii. TA in Practical includes performance of PRA, PDA and Viva-Voce with weightage of 50%, 40% and 10 % weightage of total respectively.

Note: Summer Internship (Industrial Training) of 4 weeks will be carried out in summer vacation after completion of 4th semester and evaluation will be done in 5th sem.