



Chhattisgarh Swami Vivekanand Technical University, Bhilai

Diploma in Electronics and Telecommunication

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	ET&T	2028351(028)	Network analysis	2	-	1	3
2	ET&T	2028352(028)	Instrumentation and Measurement system	3	-	-	3
3	ET&T	2028353(028)	Analog Electronic Circuit-I	3	-	-	3
4	ET&T	2028354(028)	Digital Electronics	2	-	1	3
5	Electrical	2028355(024)	Basic of Electrical Engineering	2	-	1	3
6	ET&T	2028361(028)	Network analysis (Lab)	-	2	-	1
7	ET&T	2028362(028)	Instrumentation and Measurement system (Lab)	-	2	-	1
8	ET&T	2028363(028)	Analog Electronic Circuit-I (Lab)	-	2	-	1
9	ET&T	2028364(028)	Digital Electronics (Lab)	-	2	-	1
10	Electrical	2028365(024)	Basic of Electrical Engineering (Lab)	-	2	-	1
11	Humanities	-	Health Hygiene and Yoga	-	2	-	-
12	-	-	Library	-	2	-	-
Total				12	14	03	20

L- Lecture,

T- Tutorial,

P- Practical,

Lecture (L)→ CL Classroom Instruction (Includes different instructional Strategies i.e Lecture and others.)

Practical (P)→ 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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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	ET&T	2028351 (028)	Network analysis	70	20	30	-	-	120
2	ET&T	2028352 (028)	Instrumentation and Measurement system	70	20	30	-	-	120
3	ET&T	2028353 (028)	Analog Electronic Circuit-I	70	20	30	-	-	120
4	ET&T	2028354 (028)	Digital Electronics	70	20	30	-	-	120
5	Electrical	2028355 (024)	Basic of Electrical Engineering	70	20	30	-	-	120
6	ET&T	2028361 (028)	Network analysis (Lab)	-	-	-	30	50	80
7	ET&T	2028362 (028)	Instrumentation and Measurement system (Lab)	-	-	-	30	50	80
8	ET&T	2028363 (028)	Analog Electronic Circuit-I (Lab)	-	-	-	30	50	80
9	ET&T	2028364 (028)	Digital Electronics (Lab)	-	-	-	30	50	80
10	Electrical	2028365 (024)	Basic of Electrical Engineering (Lab)	-	-	-	30	50	80
Total				350	100	150	150	250	1000

ESE: End semester exam

CT: Class Test

TA: Teachers Assessment

Note:

- i) TA in theory includes Sessional work (SW) and Attendance (ATT) with weightage of 70% and 30% total respectively.
- ii) TA in Practical includes performance of PRA, PDA and Viva- Voice with weightage of 50%, 40% and 10% of total respectively.
- iii) 85% attendance is essential in theory & Practical classes appear in examination.



Chhattisgarh Swami Vivekanand Technical University, Bhilai

Diploma in Electronics and Telecommunication

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	ET&T	2000451 (028)	Microcontroller & it's Application	3	-	-	3
2	ET&T	2000452 (028)	Communication System-I	3	-	-	3
3	Electrical	2000453 (024)	Power Electronics	2	-	1	3
4	ET&T	2000454 (028)	Analog Electronic Circuit-II	2	-	1	3
5	ET&T	2000455 (028)	Programmable Logic Controller (PLC) and Supervisory control and Data Acquisition (SCADA)	3	-	-	3
6	ET&T	2000461 (028)	Microcontroller & it's Application (Lab)	-	2	-	1
7	ET&T	2000462 (028)	Communication System-I (Lab)	-	2	-	1
8	Electrical	2000463 (024)	Power Electronics (Lab)	-	2	-	1
9	ET&T	2000464 (028)	Analog Electronic Circuit-II (Lab)	-	2	-	1
10	ET&T	2000465 (028)	Programmable Logic Controller (PLC) and Supervisory control and Data Acquisition (SCADA) (Lab)	-	2	-	1
11	-	-	Library	-	2	-	-
12	-	-	Career counseling/ Emerging technologies in the field of electronics and telecommunication	2	-	-	-
Total				15	12	02	20

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

Lecture (L)→ CL Classroom Instruction (Includes different instructional Strategies i.e Lecture and others.)

Practical (P)→ 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)

Note: - Four weeks industrial Training will be organized after 4th Semester examination and its valuation will be done in 5th semester



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Diploma in Electronics and Telecommunication

Semester – IV

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				Theory			Practical		Total Marks
				ESE	CT	TA	ESE	TA	
1	ET&T	2000451 (028)	Microcontroller & it's Application	70	20	30	-	-	120
2	ET&T	2000452 (028)	Communication System-I	70	20	30	-	-	120
3	Electrical	2000453 (024)	Power Electronics	70	20	30	-	-	120
4	ET&T	2000454 (028)	Analog Electronic Circuit-II	70	20	30	-	-	120
5	ET&T	2000455 (028)	Programmable Logic Controller (PLC) and Supervisory control and Data Acquisition (SCADA)	70	20	30	-	-	120
6	ET&T	2000461 (028)	Microcontroller & it's Application (Lab)	-	-	-	30	50	80
7	ET&T	2000462 (028)	Communication System-I (Lab)	-	-	-	30	50	80
8	Electrical	2000463 (024)	Power Electronics (Lab)	-	-	-	30	50	80
9	ET&T	2000464 (028)	Analog Electronic Circuit-II (Lab)	-	-	-	30	50	80
10	ET&T	2000465 (028)	Programmable Logic Controller (PLC) and Supervisory control and Data Acquisition (SCADA)(Lab)	-	-	-	30	50	80
Total				350	100	150	150	250	1000

ESE: End semester exam

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- iii) 85% attendance is essential in theory & Practical classes appear in examination.
- iv) **Four weeks industrial Training will be organized after 4th Semester examination and its evaluation will be done in 5th semester**