



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

SCHEME OF TEACHING AND EXAMINATION

B.Tech (Third Semester – Electronics and Computer Science) **(3133)**

Sl. No.	Board of Studies (BOS)	Courses (Subject)	Subject Code	Period per Week			Scheme of Examination			Total Marks	Credit
				L	T	P	Theory/Lab				
							ESE	CT	TA		
1	Basic Science	Applied Mathematics–III	B133311(014)	3	1	-	100	20	30	150	4
2	Electronics and Telecommunication Engg.	Electronic Devices and Circuits	B133312(028)	3	1	-	100	20	30	150	4
3	Computer Science Engg.	Data Structure & Algorithms	B141313(022)	2	1	-	100	20	30	150	3
4	Electronics and Telecommunication Engg.	Digital Electronics	B133314(028)	2	1	-	100	20	30	150	3
5	Computer Science Engg.	Operating System	B141315(022)	2	1	-	100	20	30	150	3
6	Electronics and Telecommunication Engg.	Digital Electronics (Lab)	B133321(028)	-	-	2	40	-	20	60	1
7	Computer Science Engg.	Data Structure & Algorithms (Lab)	B133322(022)	-	-	2	40	-	20	60	1
8	Electronics and Telecommunication Engg.	Electronic Devices and Circuits (Lab)	B133323(028)	-	-	2	40	-	20	60	1
9	Computer Science Engg.	Programming with Python (Lab)	B133324(022)	-	-	2	40	-	20	60	1
10	Humanities & Social Sciences	Personality Development	B000306(046)	-	-	2	-	-	10	10	-
Total Marks				12	05	10	660	100	240	1000	21

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



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

SCHEME OF TEACHING AND EXAMINATION

B.Tech (Fourth Semester – Electronics and Computer Science) (3133)

Sl. No.	Board of Studies (BOS)	Courses (Subject)	Subject Code	Period per Week			Scheme of Examination			Total Marks	Credit
				L	T	P	Theory/Lab				
							ESE	CT	TA		
1	Basic Science	Discrete Mathematical Structure	B141411(014)	2	1	-	100	20	30	150	3
2	Computer Science Engg.	Computer Organization & Architecture	B141412(022)	2	1	-	100	20	30	150	3
3	Computer Science Engg.	Database Management Systems	B141413(022)	2	1	-	100	20	30	150	3
4	Computer Science Engg.	Object Oriented Programming with Java	B133414(022)	3	1	-	100	20	30	150	4
5	Electronics and Telecommunic ation Engg.	Analog Electronics Circuits	B133415(028)	3	1	-	100	20	30	150	4
6	Computer Science Engg.	Object Oriented Programming with Java (Lab)	B133421(022)	-	-	2	40	-	20	60	1
7	Computer Science Engg.	Database Management Systems (Lab)	B133422(022)	-	-	2	40	-	20	60	1
8	Electronics and Telecommunic ation Engg.	Analog Electronics Circuits (Lab)	B133423(028)	-	-	2	40	-	20	60	1
9	Electronics and Telecommunic ation Engg.	Mini Project – I	B133424(028)	-	-	2	40	-	20	60	1
10	Humanities & Social Sciences	Environmental Sciences (Constitution of India)	B000406(046)	-	-	2	-	-	10	10	-
Total Marks				12	05	10	660	100	240	1000	21

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

SCHEME OF TEACHING AND EXAMINATION

B.Tech (Fifth Semester – Electronics and Computer Science) (3133)

Sl. No.	Board of Studies (BOS)	Courses (Subject)	Subject Code	Period per Week			Scheme of Examination			Total Marks	Credit
				L	T	P	Theory/Lab				
							ESE	CT	TA		
1	Computer Science Engg.	Design and Analysis of Algorithms	C133511(022)	3	1		100	20	30	150	4
2	Electronics and Telecommunication Engg.	Instrumentation and Control Systems	C133512(028)	3	1	-	100	20	30	150	4
3	Electronics and Telecommunication Engg.	Microcontrollers and Applications	C133513(028)	3	1	-	100	20	30	150	4
4	Computer Science Engg.	Theory of Computation	C133514(022)	2	1	-	100	20	30	150	3
5	Professional Elective - I (Refer Table - I)			2	0	-	100	20	30	150	2
6	Computer Science Engg.	Web Development (Lab)	C133521(022)	-	-	2	40	-	20	60	1
7	Electronics and Telecommunication Engg.	Microcontrollers and Applications (Lab)	C133522(028)	-	-	2	40	-	20	60	1
8	Electronics and Telecommunication Engg.	Instrumentation and Control Systems (Lab)	C133523(028)	-	-	2	40	-	20	60	1
9	Electronics and Telecommunication Engg.	Minor Project-I Based on Summer Internship	C133524(028)	-	-	2	40	-	20	60	1
10	Civil Engg.	Environmental Studies	C000506(020)	-	-	2	-	-	10	10	-
Total Marks				13	04	10	660	100	240	1000	21

L – Lecturer, T – Tutorial, P – Practical, CT –Class Test, 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	Subject	Subject Code
1.	Computer Science Engineering	Graph Theory	C133531(022)
2.	Electronics and Telecommunication Engg.	Signals and Networks	C133532(028)
3.	Computer Science Engineering	Digital Image Processing	C133533(022)
4.	Computer Science Engineering	Multimedia & Virtual Reality	C133534(022)

- Note: (1)** $\frac{1}{4}^{\text{th}}$ of total strength of student's 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.