



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

## SCHEME OF TEACHING AND EXAMINATION

### B.Tech (Third Semester – Computer Science 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.	Computer Science & Engg.	Data structure & Algorithms	B022312(022)	3	1	-	100	20	30	150	4
3.	Computer Science & Engg.	Principles of Programming Languages	B022313(022)	2	1	-	100	20	30	150	3
4.	Computer Science & Engg.	Digital Electronics & Logic Design	B022314(022)	2	1	-	100	20	30	150	3
5.	Computer Science & Engg.	Operating Systems	B022315(022)	2	1	-	100	20	30	150	3
6.	Computer Science & Engg.	Data structure & Algorithms Laboratory	B022321(022)		-	2	40	-	20	60	1
7.	Computer Science & Engg.	Digital Electronics & Logic Design Laboratory	B022322(022)		-	2	40	-	20	60	1
8.	Computer Science & Engg.	Operating Systems Laboratory (UNIX)	B022323(022)		-	2	40	-	20	60	1
9.	Computer Science & Engg.	Software Laboratory (Sci Lab/MATLAB)	B022324(022)		-	2	40	-	20	60	1
10.	Humanities	Personality Development	B000306(046)	-	-	2	-	-	10	10	-
<b>Total Marks</b>				<b>12</b>	<b>5</b>	<b>10</b>	<b>660</b>	<b>100</b>	<b>240</b>	<b>1000</b>	<b>21</b>

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



# Chhattisgarh Swami Vivekanand Technical University (CSVTVU), Bilai (CG)

## SCHEME OF TEACHING AND EXAMINATION

### Courses of Study and Scheme of Examination of B. Tech. (Computer Science Engineering) – 4<sup>th</sup> Semester

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	Discrete Mathematics	B022411(014)	3	1	-	100	20	30	150	4
2.	Computer Science & Engg.	Computer System Architecture	B022412(022)	2	1	-	100	20	30	150	3
3.	Computer Science & Engg.	Database Management Systems	B022413(022)	3	1	-	100	20	30	150	4
4.	Computer Science & Engg.	Object Oriented Programming (with Java)	B022414(022)	2	1	-	100	20	30	150	3
5.	Computer Science & Engg.	Design & Analysis of Algorithms	B022415(022)	2	1	-	100	20	30	150	3
6.	Computer Science & Engg.	Computer Organization & Architecture Laboratory	B022421(022)	-	-	2	40	-	20	60	1
7.	Computer Science & Engg.	Object Oriented Programming Laboratory (Java)	B022422(022)	-	-	2	40	-	20	60	1
8.	Computer Science & Engg.	Database Management Systems Laboratory	B022423(022)	-	-	2	40	-	20	60	1
9.	Computer Science & Engg.	Virtual Laboratory	B022424(022)	-	-	2	40	-	20	60	1
10.	Humanities & Social Sciences	Environmental Sciences (Constitution of India)	B000406(046)	-	-	2	-	-	10	10	-
<b>Total</b>				<b>12</b>	<b>5</b>	<b>10</b>	<b>660</b>	<b>100</b>	<b>240</b>	<b>1000</b>	<b>21</b>
<b>Internship-I to be completed after fourth semester exam and its evaluation to be done in fifth semester</b>											

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



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

## SCHEME OF TEACHING AND EXAMINATION

### B Tech (Fifth Semester – Computer Science & 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.	Computer Science & Engineering	Microprocessors & Interfaces	C022511(022)	3	1		
2.	Computer Science Engineering	Computer Networks	C022512(022)	3	1	-	100	20	30	150	4
3.	Computer Science Engineering	Formal Languages and Automata Theory	C022513(022)	3	1	-	100	20	30	150	4
4.	Computer Science Engineering	Data Analytics with Python	C022514(022)	2	1	-	100	20	30	150	3
5.	Professional Elective-1 (Refer Table I)			2	0	-	100	20	30	150	2
6.	Computer Science Engineering	Microprocessors & Interfaces Laboratory	C022521(022)	-	-	2	40	-	20	60	1
7.	Computer Science Engineering	Computer Networks Laboratory	C022522(022)	-	-	2	40	-	20	60	1
8.	Computer Science Engineering	Data Analytics with Python Laboratory	C022523(022)	-	-	2	40	-	20	60	1
9.	Computer Science Engineering	Project-I based on Summer Internship/ Industrial Training	C022524(022)	-	-	2	40	-	20	60	1
10.	Civil Engg.	Environmental Studies	C000506(020)	-	-	2	-	-	10	10	-
<b>Total</b>				<b>13</b>	<b>4</b>	<b>10</b>	<b>660</b>	<b>100</b>	<b>240</b>	<b>1000</b>	<b>21</b>

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.	Computer Science Engineering	C022531(022)	Computer Graphics
2.	Computer Science Engineering	C022532(022)	Object Oriented Analysis & Design
3.	Computer Science Engineering	C022533(022)	Digital Image Processing
4.	Computer Science Engineering	C022534(022)	Multimedia & Virtual Reality

**Note:** (1) 1/4<sup>th</sup> 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.