



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

## SCHEME OF TEACHING AND EXAMINATION

### B.Tech (Third Semester – Artificial Intelligence and Machine Learning)

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	B109311(014)	3	1	-	100	20	30	150	4
2	Computer Science Engg.	Data Structure & Algorithms	B109312(022)	3	1	-	100	20	30	150	4
3	Computer Science Engg.	Operating Systems	B109313(022)	2	1	-	100	20	30	150	3
4	Computer Science Engg.	Introduction to Python	B109314(022)	2	1	-	100	20	30	150	3
5	Computer Science Engg.	Digital Electronics & Logic Design	B109315(022)	2	1	-	100	20	30	150	3
6	Computer Science Engg.	Data Structure & Algorithms Laboratory	B109321(022)	-	-	2	40	-	20	60	1
7	Computer Science Engg.	Operating Systems Laboratory	B109322(022)	-	-	2	40	-	20	20	1
8	Computer Science Engg.	Digital Electronics & Logic Design Laboratory	B109323(022)	-	-	2	40	-	20	20	1
9	Computer Science Engg.	Python Laboratory	B109324(022)	-	-	2	40	-	20	20	1
10	Humanities	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 (CSV TU, NEWAI (C.G.))

## **SCHEME OF TEACHING AND EXAMINATION**

### **B.Tech (Fourth Semester – Artificial Intelligence and Machine Learning)**

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	Computer Science Engg.	Design & Analysis of Algorithms	B109411(022)	3	1	-	100	20	30	150	4
2	Computer Science Engg.	Database Management Systems	B109412(022)	3	1	-	100	20	30	150	4
3	Computer Science Engg.	Object-Oriented Programming (with Java)	B109413(022)	3	1	-	100	20	30	150	4
4	Computer Science Engg.	Computer System Architecture	B109414(022)	2	1	-	100	20	30	150	3
5	Computer Science Engg.	Discrete Structure	B109415(022)	2	0	-	100	20	30	150	2
6	Computer Science Engg.	Design & Analysis of Algorithms Using Python Laboratory	B109421(022)	-	-	2	40	-	20	60	1
7	Computer Science Engg.	Database Management Systems Laboratory	B109422(022)	-	-	2	40	-	20	20	1
8	Computer Science Engg.	Object-Oriented Programming Laboratory (with Java)	B109423(022)	-	-	2	40	-	20	20	1
9	Computer Science Engg.	Virtual Lab- PHP/MySQL	B109424(022)	-	-	2	40	-	20	20	1
10	Humanities	Indian Culture and Constitution of India	B000406(046)	-	-	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**



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

## SCHEME OF TEACHING AND EXAMINATION

### B.Tech (Fifth Semester – Artificial Intelligence and Machine Learning)

Sl. No.	Board of Studies (BOS)	Courses (Subject)	Course Code	Period per Week			Scheme of Examination			Total Mark	Credit
				L	T	P	Theory/Lab				
							ESE	CT	TA		
1.	Computer Science Engg.	Artificial Intelligence	C109511(022)	3	1	-	100	20	30	150	4
2.	Computer Science Engg.	Introduction to Machine Learning	C109512(022)	3	1	-	100	20	30	150	4
3.	Computer Science Engg.	Theory of Computation	C109513(022)	3	1	-	100	20	30	150	4
4.	Computer Science Engg.	Probability and Statistics for Machine Learning	C109514(022)	2	1	-	100	20	30	150	3
5.	Professional Elective–I ( <i>Refer to Table–I</i> )			2	0	-	100	20	30	150	2
6.	Computer Science Engg.	Artificial Intelligence (Lab)	C109521(022)	-	-	2	40	-	20	60	1
7.	Computer Science Engg.	Machine Learning (Lab)	C109522(022)	-	-	2	40	-	20	60	1
8.	Computer Science Engg.	R-Programming (Lab)	C109523(022)	-	-	2	40	-	20	60	1
9.	Computer Science Engg.	Minor Project Phase–I	C109524(022)	-	-	2	40	-	20	60	1
10	Computer Science Engg.	Environmental Science	C109525(022)	-	-	2	-	-	10	10	-
Total Marks				13	4	10	660	100	240	1000	21

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**Table-I (Professional Elective-I)**

S.N.	Board of Studies	Course Code	Subject
1.	Computer Science Engg.	C109531(022)	Internet of Things (IoT)
2.	Computer Science Engg.	C109534(022)	Image Processing & Computer Vision
3.	Computer Science Engg.	C109532(022)	Introduction to Toolkits for Machine Learning
4.	Computer Science Engg.	C109533(022)	Data Visualization

**Note: (1) 1/4th 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.**