



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

SCHEME OF TEACHING AND EXAMINATION

B Tech Honours (Artificial Intelligence) (First Semester)

S.N	Board of Studies	Courses (Subject)	Course Code	Period per Week			Theory/Lab			Total Marks	Credits
				L	T	P	ESE	CT	TA		
1.	Electronics and Telecommunication	Foundations of Electronics Engineering	A000171(028)	2	1	-	100	20	20	140	3
2.	Basic Science	Engineering Mathematics-I	A000172(014)	2	1	-	100	20	20	140	3
3.	Computer Science Engineering	Learning Programming Concept with C	A000173(022)	2	1	-	100	20	20	140	3
4.	Basic Science	Fundamentals of Computational Biology	A000174(028)	2	1	-	100	20	20	140	3
5.	Civil Engineering	Environmental Science	A000175(020)	2	1	-	100	20	20	140	3
6.	Humanities	Professional Ethics and Life Skills	A000176(046)	2	-	-	50	20	20	90	2
7.	Humanities	Language & Writing Skills	A000177(046)	2	-	-	50	20	20	90	2
8.	Electronics and Telecommunication	Foundations of Electronics Engineering Lab	A000191(028)	-	-	2	40		20	60	1
9.	Computer Science Engineering	Learning Programming Concept with C Lab	A000192(022)			2	40		20	60	1
Total				14	5	4	680	140	180	1000	21

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



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SCHEME OF TEACHING AND EXAMINATION

B Tech Honours (Artificial Intelligence) (Second Semester)

S.N	Board of Studies	Courses (Subject)	Course Code	Period per Week			Theory/Lab			Total Marks	Credits
				L	T	P	ESE	CT	TA		
1.	Basic Science	Engineering Mathematics-II	A000271(014)	2	1	-	100	20	20	140	3
2.	Computer Science Engineering	Data Structure Using C	A000272(022)	2	1	-	100	20	20	140	3
3.	Computer Science Engineering	Object Oriented Programming	A000273(022)	2	1	-	100	20	20	140	3
4.	Electronics and Telecommunication	Digital Logic & Design	A000274(028)	2	1	-	100	20	20	140	3
5.	Computer Science Engineering	Python for Data Science	A000275(022)	2	1	-	100	20	20	140	3
6	Humanities	Entrepreneurship	A000276(046)	2	-	-	40	-	20	60	2
7	Computer Science Engineering	Data Structure Using C Lab	A000291(022)	-	-	2	40	-	20	60	1
8.	Computer Science Engineering	Object Oriented Programming Lab	A000292(022)		-	2	40	-	20	60	1
9	Computer Science Engineering	Python for Data Science Lab	A000293(022)		-	2	40	-	20	60	1
10	Electronics and Telecommunication	Digital Logic & Design Lab	A000294(028)			2	40		20	60	1
Total				12	5	8	700	100	200	1000	21

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

SCHEME OF TEACHING AND EXAMINATION

B Tech Honours (Artificial Intelligence) (Third Semester)

S.N	Board of Studies	Courses (Subject)	Course Code	Period per Week			Theory/Lab			Total Marks	Credits
				L	T	P	ESE	CT	TA		
1.	Computer Science Engg.	Probability and Statistics	B127371(022)	2	1	-	100	20	20	140	3
2.	Computer Science Engg.	Analysis & Design of Algorithm	B127372(022)	2	1	-	100	20	20	140	3
3.	Computer Science Engg.	Computer Organization and Architecture	B127373(022)	2	1	-	100	20	20	140	3
4.	Computer Science Engg.	Discrete Structure	B127374(022)	2	1	-	100	20	20	140	3
5.	Computer Science Engg.	Database Management System	B127375(022)	2	1	-	100	20	20	140	3
6.	Computer Science Engg.	Analysis & Design of Algorithm Lab	B127391(022)	-	-	2	40	-	20	60	1
7.	Computer Science Engg.	Database Management System Lab	B127392(022)	-	-	2	40	-	20	60	1
8.	Computer Science Engg.	Independent Project	B127393(022)	-	-	8	120	-	40	160	4
9.	Non Credit Course	Personality Development	B127394(022)	-	-	2	-	-	20	20	-
Total				10	5	14	700	100	200	1000	21

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

SCHEME OF TEACHING AND EXAMINATION

B Tech Honours (Artificial Intelligence) (Fourth Semester)

S.N	Board of Studies	Courses (Subject)	Course Code	Period per Week			Theory/Lab			Total Marks	Credits
				L	T	P	ESE	CT	TA		
1.	Computer Science Engg.	Computer Network	B127471(022)	2	1	-	100	20	20	140	3
2.	Computer Science Engg.	Artificial Intelligence: Principles and Applications	B127472(022)	2	1	-	100	20	20	140	3
3.	Computer Science Engg.	Operating System	B127473(022)	2	1	-	100	20	20	140	3
4.	Computer Science Engg.	Theory of Computation	B127474(022)	2	1	-	100	20	20	140	3
5.	Computer Science Engg.	R for Data Science	B127475(022)	2	1	-	100	20	20	140	3
6	Computer Science Engg.	Data Visualization	B127476(022)	2	1	-	80	20	20	120	3
7	Computer Science Engg.	Computer Network Lab	B127491(022)	-	-	2	40	-	20	60	1
8.	Computer Science Engg.	Data Visualization Lab	B127492(022)	-	-	2	40	-	20	60	1
9.	Computer Science Engg.	R for Data Science Lab	B127493(022)	-	-	2	40	-	20	60	1
Total				12	6	6	700	120	180	1000	21

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

SCHEME OF TEACHING AND EXAMINATION

B Tech Honours (Artificial Intelligence) (Fifth Semester)

S.N	Board of Studies	Courses (Subject)	Course Code	Period per Week			Theory/Lab			Total Marks	Credits
				L	T	P	ESE	CT	TA		
1.	Computer Science Engg.	Machine Learning	C127571(022)	3	1	-	100	20	20	140	4
2.	Computer Science Engg.	Predictive Modeling and Analytics	C127572(022)	3	1	-	100	20	20	140	4
3.	Computer Science Engg.	Cryptography and Network Security	C127573(022)	3	1	-	100	20	20	140	4
4.	Computer Science Engg.	Artificial Neural Networks	C127574(022)	3	1	-	100	20	20	140	4
5.	<i>Professional Elective – I</i>			3	1	-	100	20	20	140	4
6.	Computer Science Engg.	Machine Learning Lab	C127591(022)	-	-	2	40	-	20	60	1
7.	Computer Science Engg.	Predictive Modeling and Analytics Lab	C127592(022)	-	-	2	40	-	20	60	1
8.	Computer Science Engg.	Artificial Neural Networks Lab	C127593(022)	-	-	2	40	-	20	60	1
9.	Computer Science Engg.	Minor Project-I based on Industrial Training	C127594(022)	-	-	10	80	-	40	120	5
Total				15	4	14	700	100	200	1000	28

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Table – I (Professional Elective – I)

S.N.	Board of Studies	Course Code	Subject
1	Computer Science Engineering	C127531(022)	Advanced Computer Network
2	Computer Science Engineering	C127532(022)	Computational Complexity
3	Computer Science Engineering	C127533(022)	Distributed Computing

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.



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SCHEME OF TEACHING AND EXAMINATION

B Tech Honours (Artificial Intelligence) (Sixth Semester)

S.N	Board of Studies	Courses (Subject)	Course Code	Period per Week			Theory/Lab			Total Marks	Credits
				L	T	P	ESE	CT	TA		
1	Computer Science Engg.	Project Based on Internship	C127691(022)	--	-	36	600	-	400	1000	18
Total						36	600		400	1000	18

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