



Chhattisgarh Swami Vivekanand Technical University, Bhilai

Diploma in Artificial Intelligence and Machine Learning

Semester-I

Session-2021

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	Humanities	2000171(046)	Communication Skills-I	2	-	1	3
2	Applied Science	2000172(014)	Applied Maths-I	2	-	1	3
3	Applied Science	2000174(015)	Applied Physics	2	-	1	3
4	Applied Science	2000178(011)	Applied Chemistry	2	-	1	3
5	Computer Science and Engineering	2000176(022)	Computer Fundamentals & Applications	2	-	0	2
6	Applied Science	2000190(015)	Applied Physics (Lab)	-	2	-	1
7	Applied Science	2000191(011)	Applied Chemistry (Lab)	-	2	-	1
8	Computer Science and Engineering	2000193(022)	Computer Fundamentals & Applications (Lab)	-	4	-	2
9	Electronics & Telecommunication Engineering	2000194(028)	Electronics Work Shop Practice	-	2	-	1
10	Humanities	2000193(046)	Seminar & Technical Presentation (Listening, Reading & Speaking) Skills	-	2	-	1
11	-	-	Library	-	2	-	-
12	-	-	Co-curricular & Academic Activity Societies	-	2	-	-
Total				10	16	04	20

L - Lecture, T - Tutorial, P – Practical

Legend:

Lecture (L) → CI Classroom Instruction (Includes different instructional strategies i.e Lecture and others.)

Practical (P) → LI 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: Leftover periods/week shall be utilized for Self Learning (SL) purpose.



Chhattisgarh Swami Vivekanand Technical University, Bhilai

Diploma in Artificial Intelligence and Machine Learning

Semester-I

Session-2021

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	Humanities	2000171(046)	Communication Skills-I	70	20	30	-	-	120
2	Applied Science	2000172(014)	Applied Maths-I	70	20	30	-	-	120
3	Applied Science	2000174(015)	Applied Physics	70	20	30	-	-	120
4	Applied Science	2000178(011)	Applied Chemistry	70	20	30	-	-	120
5	Computer Science and Engineering	2000176(022)	Computer Fundamentals & Applications	70	20	30	-	-	120
6	Applied Science	2000190(015)	Applied Physics (Lab)	-	-	-	30	50	80
7	Applied Science	2000191(011)	Applied Chemistry (Lab)	-	-	-	30	50	80
8	Computer Science and Engineering	2000193(022)	Computer Fundamentals & Applications (Lab)	-	-	-	30	50	80
9	Electronics & Telecommunication Engineering	2000194(028)	Electronics Work Shop Practice	-	-	-	30	70	100
10	Humanities	2000193(046)	Seminar & Technical Presentation (Listening, Reading & Speaking) Skills	-	-	-	-	60	60
Total				350	100	150	120	280	1000

ESE: End of Semester Exam, CT: Class Test, TA: Teachers Assessment

Legend: PRA: Process Assessment, PDA: Product Assessment

- Note :**
- TA in Theory includes Sessional work (SW) and Attendance (ATT) with weightage of 70% and 30% of total respectively.
 - TA in Practical includes performance of PRA, PDA and Viva-Voce with weightage of 50%, 40% and 10% of total respectively.
 - 85% attendance is essential in theory & Practical classes to appear in examination.



Chhattisgarh Swami Vivekanand Technical University, Bhilai

Diploma in Artificial Intelligence and Machine Learning

Semester-II

Scheme of Studies:

Session-2021

S.No	Board of Study	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	P	T	Credit L+T+(P/2)
1	Humanities	2000271(046)	Communication Skills-II	2	-	1	3
2	Applied Science	2000272(014)	Applied Maths-II	2	-	1	3
3	Civil Engineering	2000273(020)	Environmental Engineering & Sustainable Development	2	-	1	3
4	Computer Science and Engineering	2022274(022)	Programming in 'C'	2	-	1	3
5	Electronics & Telecommunication Engineering	2028275(028)	Basic Electronics Engineering	2	-	1	3
6	Computer Science and Engineering	2022290(022)	Programming in 'C' (Lab)	-	4	-	2
7	Electronics & Telecommunication Engineering	2028291(028)	Basic Electronics Engineering (Lab)	-	4	-	2
8	Humanities	2000292(046)	Seminar & Technical Presentation (Personality Development & Leadership) Skills	-	2	-	1
9	-	-	Library	-	2	-	-
10	-	-	Co-curricular & Academic Activity Societies	-	2	-	-
Total				10	14	05	20

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Note: Leftover periods/week shall be utilized for Self Learning (SL) purpose.



Chhattisgarh Swami Vivekanand Technical University, Bhilai

Diploma in Artificial Intelligence and Machine Learning

Semester-II

Session-2021

Scheme of Examinations:

S.No	Board of Study	Course Code	Course Titles	Scheme of Examination					
				Theory			Practical		Total Marks
				ESE	CT	TA	ESE	TA	
1	Humanities	2000271(046)	Communication Skills-II	70	20	30	-	-	120
2	Applied Science	2000272(014)	Applied Maths-II	70	20	30	-	-	120
3	Civil Engineering	2000273(020)	Environmental Engineering & Sustainable Development	70	50	30	-	-	150
4	Computer Science and Engineering	2022274(022)	Programming in 'C'	70	50	50	-	-	170
5	Electronics & Telecommunication Engineering	2028275(028)	Basic Electronics Engineering	70	50	50	-	-	170
6	Computer Science and Engineering	2022290(022)	Programming in 'C' (Lab)	-	-	-	30	70	100
7	Electronics & Telecommunication Engineering	2028291(028)	Basic Electronics Engineering (Lab)	-	-	-	30	70	100
8	Humanities	2000292(046)	Seminar & Technical Presentation (Personality Development & Leadership) Skills	-	-	-	-	70	70
Total				350	190	190	60	210	1000

ESE: End of Semester Exam, CT: Class Test, TA: Teachers Assessment

Legend: PRA: Process Assessment, PDA: Product Assessment

- Note :**
- TA in Theory includes Sessional work (SW) and Attendance (ATT) with weightage of 70% and 30% of total respectively.
 - TA in Practical includes performance of PRA, PDA and Viva-Voce with weightage of 50%, 40% and 10% of total respectively.
 - 85% attendance is essential in theory & Practical classes to appear in examination.



Chhattisgarh Swami Vivekanand Technical University, Bhilai

Diploma in Artificial Intelligence and Machine Learning

Semester-III

Scheme of Studies:

Session-2021

S. No.	Board of Study	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	P	T	Credit L+T+(P/2)
1	Computer Science Engg.	2022371 (022)	Operating Systems with Linux	2	0	1	3
2	Computer Science Engg.	2109372 (022)	Basics of Big Data	3	0	0	3
3	Computer Science Engg.	2109373 (022)	Object-Oriented Programming using C++	2	0	0	2
4	Computer Science Engg.	2109374 (022)	Database Management System	3	0	0	3
5	Computer Science Engg.	2109375 (022)	HTML and Cascading Style Sheet (CSS)	2	0	0	2
6	Computer Science Engg.	2109361 (022)	Operating Systems with Linux (Lab)	0	4	0	2
7	Computer Science Engg.	2109362 (022)	Object-Oriented Programming using C++ (Lab)	0	4	0	2
8	Computer Science Engg.	2109363 (022)	Database Management System (Lab)	0	2	0	1
9	Computer Science Engg.	2109364 (022)	HTML and Cascading Style Sheet (CSS) (Lab)	0	4	0	2
10	Humanities	2109365 (046)	NSS/ Sports/ Yoga/ Technical Presentation/ Library Activities	As per CSVTU minutes 09 hours are allocated to mentioned activities			
Total				12	14	01	20

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T - Tutorial,

P - Practical

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Tutorial (T) → Includes sessional work (SW) (assignment, seminar, mini project etc), self Learning (SL).



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Diploma in Artificial Intelligence and Machine Learning

Semester-III

Scheme of Examination:

Session-2021

S. No.	Board of Study	Course Code	Course Titles	Scheme of Examination					
				Theory			Practical		Total Marks
				ESE	CT	TA	ESE	TA	
1	Computer Science Engg.	2022371 (022)	Operating Systems with Linux	70	30	30	0	0	130
2	Computer Science Engg.	2109372 (022)	Basics of Big Data	70	30	30	0	0	130
3	Computer Science Engg.	2109373 (022)	Object-Oriented Programming using C++	70	30	30	0	0	130
4	Computer Science Engg.	2109374 (022)	Database Management System	70	30	30	0	0	130
5	Computer Science Engg.	2109375 (022)	HTML and Cascading Style Sheet (CSS)	70	30	30	0	0	130
6	Computer Science Engg.	2109361 (022)	Operating Systems with Linux (Lab)	0	0	0	30	50	80
7	Computer Science Engg.	2109362 (022)	Object-Oriented Programming using C++ (Lab)	0	0	0	30	50	80
8	Computer Science Engg.	2109363 (022)	Database Management System (Lab)	0	0	0	30	50	80
9	Computer Science Engg.	2109364 (022)	HTML and Cascading Style Sheet (CSS) (Lab)	0	0	0	30	50	80
10	Humanities	2109365 (046)	Technical Presentation	0	0	0	0	30	30
Total				350	150	150	120	230	1000

ESE: End of Semester Exam,

CT: Class Test,

TA: Teachers Assessment