



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

Scheme of Teaching & Examination M. Tech in Computer Science & Engineering (Specialization in Artificial Intelligence and Machine Learning)

Semester - I

S. No.	Board of Study	Subject Code	Name of Subject	Periods per Week			Scheme of Examination			Total Marks	Credit L+(T+P)/2
				L	T	P	Theory / Practical				
							ESE	CT	TA		
1	Applied Mathematics	5109111 (014)	Mathematical Foundation for AI & ML	3	1	-	100	20	20	140	4
2	Computer Science & Engineering	5109112 (022)	Python and R Programming for AI & ML	3	1	-	100	20	20	140	4
3	Computer Science & Engineering	5109113 (022)	Advanced Data Structure and Algorithm	3	1	-	100	20	20	140	4
4	Computer Science & Engineering	5109114 (022)	Data Preparation and Analysis	3	1	-	100	20	20	140	4
5	Refer Table – I		Elective – I	3	1	-	100	20	20	140	4
6	Computer Science & Engineering	5109121 (022)	Python & R Lab – I	-	-	4	75	-	75	150	2
7	Computer Science & Engineering	5109122 (022)	Advanced Data Structure Lab – I	-	-	4	75	-	75	150	2
Total				15	05	08	650	100	250	1000	24

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

***Student can opt any one elective subject from the subject mentioned below.*

Table – I

Elective – I			
S.No.	Board of Study	Subject Code	Name of Subject
1	Computer Science & Engineering	5109131 (022)	Introduction to Machine Learning
2	Computer Science & Engineering	5109132 (022)	Knowledge Discovery
3	Computer Science & Engineering	5109133 (022)	Distributed Systems

Note (1) – 1/4th of total strength of students subject to minimum of twenty students is required to offer an elective in the college in a particular academic session.

Note (2) – Choice of elective course once made for an examination cannot be changed in future examinations.



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

Scheme of Teaching & Examination M. Tech in Computer Science & Engineering (Specialization in Artificial Intelligence and Machine Learning)

Semester - II

S. No.	Board of Study	Subject Code	Name of Subject	Periods per Week			Scheme of Examination			Total marks	Credit L+(T+P)/2
				L	T	P	Theory / Practical				
				ESE	CT	TA					
1	Computer Science & Engineering	5109211 (022)	Artificial Intelligence	3	1	-	100	20	20	140	4
2	Computer Science & Engineering	5109212 (022)	Advanced Machine Learning	3	1	-	100	20	20	140	4
3	Computer Science & Engineering	5109213 (022)	Deep Learning	3	1	-	100	20	20	140	4
4	Computer Science & Engineering	51091214 (022)	Big Data Analysis	3	1	-	100	20	20	140	4
5	Refer Table – II		Elective-II	3	1	-	100	20	20	140	4
6	Computer Science & Engineering	5109221 (022)	Artificial Intelligence Lab-II	-	-	4	75	-	75	150	2
7	Computer Science & Engineering	5109222 (022)	Advanced Machine Learning Lab-II	-	-	4	75	-	75	150	2
Total				15	05	08	650	100	250	1000	24

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

***student can opt any one elective subject from the subject mentioned below.*

Table- II

Elective- II			
S. No.	Board of Study	Subject Code	Name of Subject
1	Computer Science & Engineering	5109231(022)	Principles of Soft Computing
2	Computer Science & Engineering	5109232(022)	Recommender System
3	Computer Science & Engineering	5109233(022)	Web Intelligence & Analytics

Note (1) – 1/4th of total strength of students subject to minimum of twenty students is required to offer an elective in the college in a Particular academic session.

Note (2) – Choice of elective course once made for an examination cannot be changed in future examinations.



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

Scheme of Teaching & Examination M. Tech in Computer Science & Engineering (Specialization in Artificial Intelligence and Machine Learning)

Semester - III

S. No.	Board of Study	Subject Code	Subject	Periods per Week			Scheme of Examination			Total Marks	Credit L+(T+P)/2
				L	T	P	Theory/ Practical				
				ESE	CT	TA					
1	Computer Science & Engineering	5109321 (022)	Dissertation- Industry Training-I	6	-	34	300	-	200	500	23
Total				6	-	34	300	-	200	500	23

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

Note (1) – 1/4th of total strength of students subject to minimum of twenty students is required to offer an elective in the college in a Particular academic session.

Note (2) – Choice of elective course once made for an examination cannot be changed in future examinations.



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

Scheme of Teaching & Examination M. Tech in Computer Science & Engineering (Specialization in Artificial Intelligence and Machine Learning)

Semester - IV

S.No.	Board of Study	Subject Code	Subject	Periods per Week			Scheme of Examination			Total Marks	Credit L+ (T+P)/2
				L	T	P	Theory/ Practical				
							ESE	CT	TA		
1	Computer Science & Engineering	5109421 (022)	Dissertation- Industry Training-II	6	-	34	300	-	200	500	23
Total				6	-	34	300	-	200	500	23

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

Note (1) – 1/4th of total strength of students subject to minimum of twenty students is required to offer an elective in the college in a Particular academic session.

Note (2) – Choice of elective course once made for an examination cannot be changed in future examinations.

Scheme of Marks Allotment

Semester	Total Marks	Grand Total
I	1000	3000
II	1000	
III	500	
IV	500	