

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI (C.G.)

Scheme of Teaching & Examination

M. Tech. in Artificial Intelligence and Machine Learning

I Semester

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	Applied Mathematics	(14)	Mathematical Foundation for AI & ML	3	1	-	100	20	20	140	4
2	Computer Science & Engg.	(22)	Advance Python and R Programming for AI & ML	3	1	-	100	20	20	140	4
3	Computer Science & Engg.	(22)	Advanced data structure and Algorithm Analysis	3	1	-	100	20	20	140	4
4	Computer Science & Engg.	(22)	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 & Engg.	(22)	Python & R Lab –I	-	-	3	75	-	75	150	2
7	Computer Science & Engg.	(22)	Case Study Lab –I	-	-	3	75	-	75	150	2
Total				15	5	6	650	100	250	1000	24

L- Lecture
P- Practical ,
CT- Class Test

T- Tutorial
ESE- End Semester Exam
TA- Teacher's Assessment

Table-I

ELECTIVE I			
S.No.	Board of Study	Subject Code	Subject
1	Computer Science & Engg.	(22)	Introduction to Machine Learning
2	Computer Science & Engg.	(22)	Knowledge Discovery
3	Computer Science & Engg.	(22)	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.

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II Semester

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 & Engg.	(22)	Artificial Intelligence	3	1	-	100	20	20	140	4
2	Computer Science & Engg.	(22)	Advance Machine Learning Techniques	3	1	-	100	20	20	140	4
3	Computer Science & Engg.	549213 (22)	Deep Learning	3	1	-	100	20	20	140	4
4	Computer Science & Engg.	(22)	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 & Engg.	549221(22)	Computer Software Lab –2	-	-	3	75	-	75	150	2
7	Computer Science & Engg.	549222(22)	Computer Hardware Lab – 2	-	-	3	75	-	75	150	2
Total				15	5	6	650	100	250	1000	24

L- Lecture

T- Tutorial

P- Practical ,

ESE- End Semester Exam

CT- Class Test

TA- Teacher's Assessment

Table-II

ELECTIVE II			
S.No.	Board of Study	Subject Code	Subject
1	Computer Science & Engg.	549231 (22)	Principle of Soft Computing
2	Computer Science & Engg.	549232 (22)	Recommended System
3	Computer Science & Engg.	549233 (22)	Web Analytics and Development

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III Semester

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 & Engg.	(22)	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.

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Scheme of Teaching & Examination

M. Tech. in Artificial Intelligence and Machine Learning

IV Semester

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 & Engg.	(22)	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.

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Scheme of Marks Allotment

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