



**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
**(Deemed to be University)**  
**(Declared Under Distinct Category by Ministry of Education, Government of India)**



NAAC Accredited with A++ Grade

**Department of CSE**  
**Scheme of Evaluation**  
**M. Tech. I Semester (CSE)**

(for batch admitted in academic session 2024-25)

S. No.	Course Code	Category Code	Course Name	Maximum Marks Allotted						Total Marks	Contact Hours per week			Total Credits	Mode of Learning	Mode of Exam.	Duration of Exam.
				Theory Block				Practical Block			L	T	P				
				Continuous Evaluation			Major Evaluation	Continuous Evaluation	Major Evaluation								
				Minor Evaluation I	Minor Evaluation II	Quiz/Assignment											
1.	62241101	DC	Database Systems	20	20	30	30	-	-	100	3	-	-	3	Face to Face	PP	2 Hrs.
2.	62241102	DC	Distributed Computing	20	20	30	30	-	-	100	2	1	-	3	Face to Face	PP	2 Hrs.
3.	62241103	DC	Image Processing & Computer Vision	20	20	30	30	-	-	100	2	1	-	3	Face to Face	PP	2 Hrs.
4.		DE	Departmental Elective (DE-1)	20	20	30	30	-	-	100	3	-	-	3	Face to Face	PP	2 Hrs.
5.		SC	Specialization Course (SC-1)	20	20	30	30	-	-	100	3	-	-	3	Face to Face	PP	2 Hrs.
6.	62241104	DLC	Lab-I <sup>#</sup>	-	-	-	-	70	30	100	-	-	4	2	Experiential	SO	-
7.	62241105	DLC	Seminar/Presentation <sup>§</sup>	-	-	-	-	70	30	100	-	-	4	2	Blended	SO	-
8.	622411XX	NEC	Classified Novel Engaging Course (Activity Based Learning)	-	-	-	-	-	50	50	-	1	-	1	Interactive	SO	-
<b>Total</b>				<b>100</b>	<b>100</b>	<b>150</b>	<b>150</b>	<b>140</b>	<b>110</b>	<b>750</b>	<b>13</b>	<b>03</b>	<b>08</b>	<b>20</b>	-	-	-

**MCQ:** Multiple Choice Question    **PP:** Pen Paper    **SO:** Submission + Oral    **OB:** Open Book

<sup>#</sup> During lab, students have to perform practical/assignments/minor projects related to the courses of respective semester using recent technologies / languages / tools etc.

<sup>§</sup> Seminar/Presentation through SWAYAM / NPTEL (Registration in a course will be compulsory for students but assessment will be based on internal seminar presentation).

DE-1		
S. No.	Course Code	Course Name
1.	62241106	Mobile Computing & M-Commerce
2.	62241107	Adhoc & Sensor Based Networks
3.	62241108	Network Security
4.	62241109	High-speed Networks

Mode of Learning						Mode of Examination				Total Credits
Theory		Lab		CNEC		Theory		Lab		
Face to Face	Online	Blended	Experiential	Experimental	Interactive	PP	MCQ	OB	SO	
15		2	2		1	15			5	20
75		10	10		5	75			25	Credits %



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**Scheme of Evaluation**  
**M. Tech. II Semester (CSE)**

**(for batch admitted in academic session 2024-25)**

S. No.	Course Code	Category Code	Course Name	Maximum Marks Allotted								Total Marks	Contact Hours per week			Total Credits	Mode of Learning	Mode of Exam.	Duration of Exam.
				Theory Block				Practical Block		MOOCs			L	T	P				
				Continuous Evaluation			Major Evaluation	Continuous Evaluation	Major Evaluation	Assignment	Exam								
				Minor Evaluation I	Minor Evaluation II	Quiz/Assignment													
1.	62241201	DC	Algorithm Design Techniques & Analysis	20	20	30	30	-	-	-	-	100	3	-	-	3	Face to Face	PP	2 Hrs.
2.	62241202	DC	Digital Watermarking & Steganalysis	20	20	30	30	-	-	-	-	100	2	1	-	3	Face to Face	PP	2 Hrs.
3.	62241203	DC	Natural Language Processing	20	20	30	30	-	-	-	-	100	2	1	-	3	Face to Face	PP	2 Hrs.
4.		DE	Departmental Elective* (DE-2)	-	-	-	-	-	-	25	75	100	3	-	-	3	Online	MCQ	3 Hrs
5.		SC	Specialization Course (SC-2)	20	20	30	30	-	-	-	-	100	2	1	-	3	Face to Face	PP	2 Hrs.
6.	62241204	DLC	Lab-II#	-	-	-	-	70	30	-	-	100	-	-	4	2	Experiential	SO	-
7.	62241205	DLC	Seminar/Presentation\$	-	-	-	-	70	30	-	-	100	-	-	4	2	Mentoring	SO	-
8.	622412XX	NEC	Classified Novel Engaging Course (Activity Based Learning)	-	-	-	-	-	50	-	-	50	-	1	-	1	Interactive	SO	-
<b>Total</b>				<b>80</b>	<b>80</b>	<b>120</b>	<b>120</b>	<b>140</b>	<b>110</b>	<b>25</b>	<b>75</b>	<b>750</b>	<b>12</b>	<b>04</b>	<b>08</b>	<b>20</b>	-	-	-

**MCQ:** Multiple Choice Question    **PP:** Pen Paper    **SO:** Submission + Oral    **OB:** Open Book

\* This course will run through SWAYAM / NPTEL / MOOC based learning platform (with credit transfer facility). The course can be related & relevant to other domain as well.

# During lab, students have to perform practical/assignments/minor projects related to the courses of respective semester using recent technologies / languages / tools etc.

\$ Seminar/Presentation through SWAYAM / NPTEL (Registration in a course will be compulsory for students but assessment will be based on internal seminar presentation).

<b>DE-2* (through SWAYAM / NPTEL / MOOC)</b>		
S. No.	Course Code	Course Name
1.	62241206	Cloud Computing noc24-cs118
2.	62241207	Social Networks noc24-cs120

Mode of Learning							Mode of Examination				Total Credits	
Theory		Lab			CNEC	Theory			Lab			
Face to Face	Online	Face to Face	Blended	Experiential	Experimental	Mentoring	Interactive	PP	MCQ	OB	SO	
12	3	-		2		2	1	12	3		5	20
60	15	-		10		10	5	60	15		25	Credits %



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**Scheme of Evaluation**  
**M. Tech. III Semester (CSE)**

**(for batch admitted in academic session 2024-25)**

S. No.	Course Code	Category Code	Course Name	Maximum Marks Allotted						Total Marks	Contact Hours per week			Total Credits	Mode of Learning	Mode of Exam.	Duration of Exam.
				Theory Block				Practical Block			L	T	P				
				Continuous Evaluation			Major Evaluation	Continuous Evaluation	Major Evaluation								
				Minor Evaluation I	Minor Evaluation II	Quiz/Assignment		Lab Work & Sessional									
1.	62242101	DLC	<b>Preliminary Dissertation</b> (Literature Review/ Problem Foundation/ Synopsis/ survey paper, etc.)	-	-	-	-	175	75	250	-	-	28	14	Interactive	SO	-
<b>Total</b>				-	-	-	-	175	75	250	-	-	28	14	-	-	-



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**Scheme of Evaluation**  
**M. Tech. IV Semester (CSE)**

**(for batch admitted in academic session 2024-25)**

S. No.	Course Code	Category Code	Course Name	Maximum Marks Allotted						Total Marks	Contact Hours per week			Total Credits	Mode of Learning	Mode of Exam.	Duration of Exam.
				Theory Block				Practical Block			L	T	P				
				Continuous Evaluation			Major Evaluation	Continuous Evaluation	Major Evaluation								
				Minor Evaluation I	Minor Evaluation II	Quiz/Assignment		Lab Work & Sessional									
1.	62242201	DLC	Dissertation	-	-	-	-	350	150	500	-	-	32	16	Interactive	SO	-
<b>Total</b>				-	-	-	-	350	150	500	-	-	32	16	-	-	-



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<b>Specialization in AI and ML</b>					
Description	This module will help in Employability & Real-world problem solving				
Courses and Credits required	2 courses and 6 credits				
Course Category	Course ID	Course Title	Contact Hours per week		
			L	T	P
SPC-1	62241110	Pattern Recognition & Machine learning	2	1	
SPC-2	62241208	Deep Learning	2	1	

<b>Specialization in Computing and Data Science</b>					
Description	This module will help in Skill Enhancement				
Courses and Credits required	2 courses and 6 credits				
Course Category	Course ID	Course Title	Contact Hours per week		
			L	T	P
SPC-1	62241111	Big Data and Cloud Computing	2	1	
SPC-2	62241209	Data Analytics	2	1	



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**Classified Novel Engaging Course (Activity Based Learning)**

**M. Tech. I Semester (*CSE*)**

S.No.	Course Name	Course Code
1.	Applied IoT	62241112
2.	Probability and Statistics	62241113



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**Classified Novel Engaging Course (Activity Based Learning)**

**M. Tech. II Semester (*CSE*)**

Classified Novel Engaging Course		
1.	Artificial Intelligence & Neural Networks	62241210
2.	Data Science using Python	62241211