



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (Deemed University)

(Declared Under Distinct Category by Ministry of Education, Government of India)

NAAC Accredited with A++ Grade

Centre for Artificial Intelligence



Scheme of Evaluation

B. Tech. I Semester (*Artificial Intelligence (AI)*)

(for batch admitted in academic session 2025-26)

S. No.	Course Code	Category Code	Course Name	Maximum Marks Allotted						Total Marks	Contact Hours per week			Total Credits	Mode of Learning	Mode of Major Evaluation	Duration of Major Evaluation
				Theory Block				Practical Block									
				Continuous Evaluation			Major Evaluation	Continuous Evaluation	Major Evaluation								
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment		Lab Work & Sessional									
1.	31251101	DC	Digital Logic Design	25	25	20	30	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs
2.	31251102	DC	Foundations of Artificial Intelligence	25	25	20	30	-	-	100	2	-	-	2	Face to Face	MCQ	2 Hrs
3.	31251103	DC	Internet and Web Technologies	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
4.	31251104	DC	Problem Solving and Programming	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
5.	31251105	BSC	Linear Algebra	25	25	20	30	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs
6.	31251106	DLC	Problem Solving and Programming Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
7.	31251107	DLC	Internet and Web Technologies Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
8.	31251108	SP	Semester Proficiency ^S	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
9.	31251109	PBL	Micro Project-I [#]	-	-	-	-	70	30	100	-	-	2	1	Experiential	SO	-
10.	31251110	HSMC	Language Lab	-	-	-	-	70	30	100	-	-	2	1	Blended	AO	-
11.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	-	1	-	1	Interactive	SO	-
Total				125	125	100	150	380	120	1000	12	03	10	20	-	-	-
12.	31251111	MAC	Universal Human Values & Professional Ethics (UHVPE)	25	25	20	30	-	-	100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs
13.	31251112	MWS	Mandatory Workshop on Report Writing at Department Level											GRADE	Interactive	MCQ	-
14.	31251113	MWS	Mandatory Workshop on Indian Constitution and Cultural Values at Department Level											GRADE	Interactive	MCQ	-
Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.																	
Skill Internship Program (Soft Skill): Minimum 45 hours duration: To be Credited in II Semester.																	

^{\$}Semester Proficiency- includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in the semester courses

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

[#] Micro Project-I will be presented and evaluated through an interdisciplinary project evaluation committee.

HSMC	BSC	ESC	DC	DE	SPC	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS
1	1	0	4	0	0	0	2	1	1	0	0	0	1	1	2

Mode of Learning					Mode of Examination					Total Credits
Face to Face	Interactive	Blended	Experiential	Experimental	PP	AO	MCQ	OB	SO	
15	1	1	1	2	7	3	7	0	3	20
75	5	5	5	10	35	15	35	0	15	Credits %



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Scheme of Evaluation

B. Tech. I Semester (*Information Technology (Artificial Intelligence and Robotics)*)

(for batch admitted in academic session 2025-26)

S. No.	Course Code	Category Code	Course Name	Maximum Marks Allotted						Total Marks	Contact Hours per week			Total Credits	Mode of Learning	Mode of Major Evaluation	Duration of Major Evaluation
				Theory Block				Practical Block									
				Continuous Evaluation			Major Evaluation	Continuous Evaluation	Major Evaluation								
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment		Lab Work & Sessional									
1.	24251101	DC	Digital Logic Design	25	25	20	30	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs
2.	24251102	DC	Foundations of Artificial Intelligence and Robotics	25	25	20	30	-	-	100	2	-	-	2	Face to Face	MCQ	2 Hrs
3.	24251103	DC	Electronic Systems	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
4.	24251104	DC	Problem Solving and Programming	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
5.	24251105	BSC	Linear Algebra	25	25	20	30	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs
6.	24251106	DLC	Problem Solving and Programming Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
7.	24251107	DLC	Electronic Systems Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
8.	24251108	SP	Semester Proficiency ^S	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
9.	24251109	PBL	Micro Project-I [#]	-	-	-	-	70	30	100	-	-	2	1	Experiential	SO	-
10.	24251110	HSMC	Language Lab	-	-	-	-	70	30	100	-	-	2	1	Blended	AO	-
11.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	-	1	-	1	Interactive	SO	-
Total				125	125	100	150	380	120	1000	12	03	10	20	-	-	-
12.	24251111	MAC	Universal Human Values & Professional Ethics (UHVPE)	25	25	20	30	-	-	100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs
13.	24251112	MWS	Mandatory Workshop on Report Writing at Department Level											GRADE	Interactive	MCQ	-
14.	24251113	MWS	Mandatory Workshop on Indian Constitution and Cultural Values at Department Level											GRADE	Interactive	MCQ	-
Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.																	
Skill Internship Program (Soft Skill): Minimum 45 hours duration: To be Credited in II Semester.																	

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HSMC	BSC	ESC	DC	DE	SPC	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS
1	1	0	4	0	0	0	2	1	1	0	0	0	1	1	2

Mode of Learning					Mode of Examination					Total Credits
Face to Face	Interactive	Blended	Experiential	Experimental	PP	AO	MCQ	OB	SO	
15	1	1	1	2	7	3	7	0	3	20
75	5	5	5	10	35	15	35	0	15	Credits %



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Scheme of Evaluation

B. Tech. I Semester (*Artificial Intelligence (AI) and Data Science*)

(for batch admitted in academic session 2025-26)

S. No.	Course Code	Category Code	Course Name	Maximum Marks Allotted						Total Marks	Contact Hours per week			Total Credits	Mode of Learning	Mode of Major Evaluation	Duration of Major Evaluation
				Theory Block				Practical Block									
				Continuous Evaluation			Major Evaluation	Continuous Evaluation	Major Evaluation								
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment		Lab Work & Sessional									
1.	27251101	DC	Digital Logic Design	25	25	20	30	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs
2.	27251102	DC	Foundations of Data Science	25	25	20	30	-	-	100	2	-	-	2	Face to Face	MCQ	2 Hrs
3.	27251103	DC	Internet and Web Technologies	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
4.	27251104	DC	Problem Solving and Programming	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
5.	27251105	BSC	Linear Algebra	25	25	20	30	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs
6.	27251106	DLC	Problem Solving and Programming Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
7.	27251107	DLC	Internet and Web Technologies Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
8.	27251108	SP	Semester Proficiency ^S	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
9.	27251109	PBL	Micro Project-I [#]	-	-	-	-	70	30	100	-	-	2	1	Experiential	SO	-
10.	27251110	HSMC	Language Lab	-	-	-	-	70	30	100	-	-	2	1	Blended	AO	-
11.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	-	1	-	1	Interactive	SO	-
Total				125	125	100	150	380	120	1000	12	03	10	20	-	-	-
12.	27251111	MAC	Universal Human Values & Professional Ethics (UHVPE)	25	25	20	30	-	-	100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs
13.	27251112	MWS	Mandatory Workshop on Report Writing at Department Level											GRADE	Interactive	MCQ	-
14.	27251113	MWS	Mandatory Workshop on Indian Constitution and Cultural Values at Department Level											GRADE	Interactive	MCQ	-
Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.																	
Skill Internship Program (Soft Skill): Minimum 45 hours duration: To be Credited in II Semester.																	

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

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HSMC	BSC	ESC	DC	DE	SPC	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS
1	1	0	4	0	0	0	2	1	1	0	0	0	1	1	2

Mode of Learning					Mode of Examination					Total Credits
Face to Face	Interactive	Blended	Experiential	Experimental	PP	AO	MCQ	OB	SO	
15	1	1	1	2	7	3	7	0	3	20
75	5	5	5	10	35	15	35	0	15	Credits %



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Scheme of Evaluation

B. Tech. I Semester (*Artificial Intelligence (AI) and Machine Learning*)

(for batch admitted in academic session 2025-26)

S. No.	Course Code	Category Code	Course Name	Maximum Marks Allotted						Total Marks	Contact Hours per week			Total Credits	Mode of Learning	Mode of Major Evaluation	Duration of Major Evaluation
				Theory Block				Practical Block									
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1.	28251101	DC	Digital Logic Design	25	25	20	30	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs
2.	28251102	DC	Foundations of Machine Learning	25	25	20	30	-	-	100	2	-	-	2	Face to Face	MCQ	2 Hrs
3.	28251103	DC	Internet and Web Technologies	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
4.	28251104	DC	Problem Solving and Programming	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
5.	28251105	BSC	Linear Algebra	25	25	20	30	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs
6.	28251106	DLC	Problem Solving and Programming Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
7.	28251107	DLC	Internet and Web Technologies Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
8.	28251108	SP	Semester Proficiency ^S	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
9.	28251109	PBL	Micro Project-I [#]	-	-	-	-	70	30	100	-	-	2	1	Experiential	SO	-
10.	28251110	HSMC	Language Lab	-	-	-	-	70	30	100	-	-	2	1	Blended	AO	-
11.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	-	1	-	1	Interactive	SO	-
Total				125	125	100	150	380	120	1000	12	03	10	20	-	-	-
12.	28251111	MAC	Universal Human Values & Professional Ethics (UHVPE)	25	25	20	30	-	-	100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs
13.	28251112	MWS	Mandatory Workshop on Report Writing at Department Level											GRADE	Interactive	MCQ	-
14.	28251113	MWS	Mandatory Workshop on Indian Constitution and Cultural Values at Department Level											GRADE	Interactive	MCQ	-
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1	1	0	4	0	0	0	2	1	1	0	0	0	1	1	2

Mode of Learning					Mode of Examination					Total Credits
Face to Face	Interactive	Blended	Experiential	Experimental	PP	AO	MCQ	OB	SO	
15	1	1	1	2	7	3	7	0	3	20
75	5	5	5	10	35	15	35	0	15	Credits %