



# Madhav Institute of Technology & Science Gwalior (M.P.)

(A Govt. Aided UGC Autonomous Institute Affiliated to RGPV, Bhopal)

NAAC Accredited with A++ Grade

## Centre for Artificial Intelligence

### Scheme of Evaluation

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

(for batch admitted in academic session 2023-24)

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam.
				Theory Slot				Practical Slot				L	T	P				
				End Term Evaluation		Continuous Evaluation		End Sem. Exam.	Continuous Evaluation									
				End Sem. Exam	Proficiency in subject /course	Mid Sem. Exam.	Quiz/ Assignment		Lab Work & Sessional	Skill Based Mini Project								
1.	3240121	DC	Introduction to Artificial Intelligence and Robotics	50	10	20	20	-	-	-	100	4	-	-	4	Blended	MCQ	1.5 Hrs
2.	3240122	DC	Problem Solving and Programming	50	10	20	20	40	30	30	200	2	1	2	4	Blended	AO	2 Hrs
3.	3240123	DC	Digital Logic Design	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
4.	3250100	BSC	Linear Algebra	50	10	20	20	-	-	-	100	3	1	-	4	Offline	PP	2 Hrs
5.	3100022	ESC	Basic Electrical & Electronics Engineering	50	10	20	20	40	30	30	200	2	1	2	4	Blended	PP	2 Hrs
<b>Total</b>				<b>250</b>	<b>50</b>	<b>100</b>	<b>100</b>	<b>80</b>	<b>60</b>	<b>60</b>	<b>700</b>	<b>13</b>	<b>04</b>	<b>04</b>	<b>19</b>	-	-	-
6.	3000001	Natural Sciences & Skills	Engineering Physics	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs
<b>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 &amp; Innovations.</b>																		

**<sup>s</sup>Proficiency in course/subject – includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in that particular course/subject**

**Natural Sciences & Skills: Engineering Physics / Engineering Chemistry / Environmental Engineering / Language**

**Credits of Natural Sciences & Skills will be added in the VI Semester**

**MCQ: Multiple Choice Question      AO: Assignment + Oral      PP: Pen Paper      SO: Submission + Oral**

Mode of Teaching				Mode of Examination				Total Credits
Theory		Lab		Theory			Lab	
Offline	Online	Blended	Offline	PP	AO	MCQ	SO	
04	-	13	02	10	03	04	02	19
21.05%	-	68.42%	10.53%	52.63%	15.79%	21.05%	10.53%	Credits %



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

(for batch admitted in academic session 2023-24)

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam.
				Theory Slot				Practical Slot				L	T	P				
				End Term Evaluation		Continuous Evaluation		End Sem. Exam.	Continuous Evaluation									
				End Sem. Exam	Proficiency in subject /course	Mid Sem. Exam.	Quiz/ Assignment		Lab Work & Sessional	Skill Based Mini Project								
1.	3270121	DC	Introduction to Artificial Intelligence & Data Science	50	10	20	20	-	-	-	100	4	-	-	4	Blended	MCQ	1.5 Hrs
2.	3270122	DC	Problem Solving and Programming	50	10	20	20	40	30	30	200	2	1	2	4	Blended	AO	2 Hrs
3.	3270123	DC	Digital Logic Design	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
4.	3250100	BSC	Linear Algebra	50	10	20	20	-	-	-	100	3	1	-	4	Offline	PP	2 Hrs
5.	3100022	ESC	Basic Electrical & Electronics Engineering	50	10	20	20	40	30	30	200	2	1	2	4	Blended	PP	2 Hrs
<b>Total</b>				<b>250</b>	<b>50</b>	<b>100</b>	<b>100</b>	<b>80</b>	<b>60</b>	<b>60</b>	<b>700</b>	<b>13</b>	<b>04</b>	<b>04</b>	<b>19</b>	-	-	-
6.	3000001	Natural Sciences & Skills	Engineering Physics	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

**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.**

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**Credits of Natural Sciences & Skills will be added in the VI Semester**

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

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Theory		Lab		Theory			Lab	
Offline	Online	Blended	Offline	PP	AO	MCQ	SO	
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				Theory Slot				Practical Slot				L	T	P				
				End Term Evaluation		Continuous Evaluation		End Sem. Exam.	Continuous Evaluation									
				End Sem. Exam	Proficiency in subject /course	Mid Sem. Exam.	Quiz/ Assignment		Lab Work & Sessional	Skill Based Mini Project								
1.	3280121	DC	Introduction to Artificial Intelligence & Machine Learning	50	10	20	20	-	-	-	100	4	-	-	4	Blended	MCQ	1.5 Hrs
2.	3280122	DC	Problem Solving and Programming	50	10	20	20	40	30	30	200	2	1	2	4	Blended	AO	2 Hrs
3.	3280123	DC	Digital Logic Design	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
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<b>Total</b>				<b>250</b>	<b>50</b>	<b>100</b>	<b>100</b>	<b>80</b>	<b>60</b>	<b>60</b>	<b>700</b>	<b>13</b>	<b>04</b>	<b>04</b>	<b>19</b>	-	-	-
6.	3000001	Natural Sciences & Skills	Engineering Physics	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

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Theory		Lab		Theory		Lab		
Offline	Online	Blended		Offline	PP	AO	MCQ	SO
04	-	13		02	10	03	04	02
21.05%	-	68.42%		10.53%	52.63%	15.79%	21.05%	10.53%
								Credits %