



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute affiliated to RGPV, Bhopal)

Department of Information Technology

Scheme of Evaluation

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

(for batch admitted in academic session 2022-23)

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				End Sem. Exam.	Lab Work & Sessional	Skill Based Mini Project					L	T	P
				End Term Evaluation		Continuous Evaluation		Continuous Evaluation												
				End Sem. Exam	Proficiency in subject /course	Mid Sem. Exam.	Quiz/Assignment	Lab Work & Sessional	Skill Based Mini Project											
1.	2280321	BSC	Discrete Structures	50	10	20	20	-	-	-	100	2	1	-	3	Offline	PP	2 Hrs		
2.	2280322	DC	Computer Networks & Protocols	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs		
3.	2280323	DC	Design & Analysis of Algorithms	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs		
4.	2280324	DC	Computer Graphics & Multimedia	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs		
5.	2280325	DC	Internet of Things	50	10	20	20	-	-	-	100	2	1	-	3	Blended	MCQ	1.5 Hrs		
6.	2280326	DLC	Design and Thinking Lab	-	-	-	-	60	20	20	100	-	-	2	1	Offline	SO	-		
7.	2280327	DLC	Self-learning/Presentation (SWAYAM/NPTEL/MOOC)	-	-	-	-	-	40	-	40	-	-	2	1	Online and Mentoring	SO	-		
8.	200XXX	CLC	Novel Engaging Course (Informal Learning)	-	-	-	-	50	-	-	50	-	-	2	1	Interactive	SO	-		
9.	2280328	DLC	Summer Internship Project-I (Institute Level) (Evaluation)	-	-	-	-	60	-	-	60	-	-	4	2	Offline	SO	-		
Total				250	50	100	100	290	100	60	950	10	05	14	22	-	-	-		
10.	3000003	Natural Sciences & Skills	Environmental Engineering	50	10	20	20	-	-	-	100	2	-	-	Grade	Blended	MCQ	1.5 Hrs		
11.	1000005	MAC	Project Management & Financing	50	10	20	20	-	-	-	100	2	-	-	Grade	Blended	MCQ	1.5 Hrs		

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	NEC	Theory			Lab	NEC	
Offline	Online	Blended	Offline	Interactive	PP	AO	MCQ	SO	SO	
03	-	12	06	01	15	-	-	06	01	22
13.64%	-	54.55%	27.27%	4.54%	68.19%	-	-	27.27%	4.54%	Credits %



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Department of Information Technology

Scheme of Evaluation

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

(for batch admitted in academic session 2022-23)

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	^s Proficiency in subject /course	Mid Sem. Exam.	Quiz/Assignment		Lab Work & Sessional									Skill Based Mini Project
1.	2270321	BSC	Discrete Structures	50	10	20	20	-	-	-	100	2	1	-	3	Offline	PP	2 Hrs
2.	2270322	DC	Computer Networks & Protocols	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
3.	2270323	DC	Design & Analysis of Algorithms	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
4.	2270324	DC	Computer Graphics & Multimedia	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
5.	2270325	DC	Internet of Things	50	10	20	20	-	-	-	100	2	1	-	3	Blended	MCQ	1.5 Hrs
6.	2270326	DLC	Design and Thinking Lab	-	-	-	-	60	20	20	100	-	-	2	1	Offline	SO	-
7.	2270327	DLC	Self-learning/Presentation (SWAYAM/NPTEL/MOOC)	-	-	-	-	-	40	-	40	-	-	2	1	Online and Mentoring	SO	-
8.	200XXX	CLC	Novel Engaging Course (Informal Learning)	-	-	-	-	50	-	-	50	-	-	2	1	Interactive	SO	-
9.	2270328	DLC	Summer Internship Project-I (Institute Level) (Evaluation)	-	-	-	-	60	-	-	60	-	-	4	2	Offline	SO	-
Total				250	50	100	100	290	100	60	950	10	05	14	22	-	-	-
10.	3000003	Natural Sciences & Skills	Environmental Engineering	50	10	20	20	-	-	-	100	2	-	-	Grade	Blended	MCQ	1.5 Hrs
11.	1000005	MAC	Project Management & Financing	50	10	20	20	-	-	-	100	2	-	-	Grade	Blended	MCQ	1.5 Hrs

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Mode of Teaching					Mode of Examination					Total Credits
Theory			Lab	NEC	Theory			Lab	NEC	
Offline	Online	Blended	Offline	Interactive	PP	AO	MCQ	SO	SO	
03	-	12	06	01	15	-	-	06	01	22
13.64%	-	54.55%	27.27%	4.54%	68.19%	-	-	27.27%	4.54%	Credits %



IT/643
28/7/23

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute affiliated to RGPV, Bhopal)

To
Dr. R. R. Singh
Coordinator
Center & AI

Department of Information Technology

Scheme of Evaluation

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

(for batch admitted in academic session 2022-23)

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				End Sem. Exam.	L	T					P
				End Term Evaluation		Continuous Evaluation		Continuous Evaluation											
				End Sem. Exam	Proficiency in subject /course	Mid Sem. Exam.	Quiz/Assignment	Lab Work & Sessional	Skill Based Mini Project										
1.	2250106	BSC	Probability and Random Process ✓	50	10	20	20	-	-	-	100	3	1	-	4	Offline	PP	2 Hrs	
2.	2240321	DC	Computer Networks & Protocols ✓	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs	
3.	2240322	DC	Design & Analysis of Algorithms ✓	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs	
4.	2240323	DC	Computer Graphics & Multimedia ✓	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs	
5.	2240324	DC	Operating System ✓	50	10	20	20	-	-	-	100	2	1	2	4	Blended	PP	2 Hrs	
6.	2240325	DLC	Design and Thinking Lab ✓	-	-	-	-	60	20	20	100	-	-	2	1	Offline	SO	-	
7.	2240326	DLC	Self-learning/Presentation (SWAYAM/NPTEL/MOOC) ✓	-	-	-	-	-	40	-	40	-	-	2	1	Online and Mentoring	SO	-	
8.	200XXX	CLC	Novel Engaging Course (Informal Learning) ✓	-	-	-	-	50	-	-	50	-	-	2	1	Interactive	SO	-	
9.	2240327	DLC	Summer Internship Project-I (Institute Level) (Evaluation) ✓	-	-	-	-	60	-	-	60	-	-	4	2	Offline	SO	-	
Total				250	50	100	100	290	100	60	950	11	05	14	23	-	-	-	
10.	3000003	Natural Sciences & Skills	Environmental Engineering ✓	50	10	20	20	-	-	-	100	2	-	-	Grade	Blended	MCQ	1.5 Hrs	
11.	1000005	MAC	Project Management & Financing ✓	50	10	20	20	-	-	-	100	2	-	-	Grade	Blended	MCQ	1.5 Hrs	

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Theory		Lab	NEC		Theory		Lab	NEC		
Offline	Online	Blended	Offline	Interactive	PP	AO	MCQ	SO	SO	
04	-	12	06	01	16	-	-	06	01	23

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MA