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# 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. in Information Technology (Artificial Intelligence and Robotics)

#### VI Semester

(for batch admitted in academic session 2020-21)

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.
				Theory Slot				Practical Slot		MOOCs				L	T	P			
				End Term Evaluation		Continuous Evaluation		End Sem. Exam.	Continuous Evaluation		Assignment	Exam							
				End Sem. Exam.	Proficiency in subject /course	Mid Sem. Exam.	Quiz/ Assignment		Lab work & Sessional	Skill Based Mini Project									
1.	240601	DC	Compiler Design	50	10	20	20	60	20	20	-	-	200	2	1	2	4	Blended	PP
2.	240602	DC	Data Mining & Pattern Warehousing	50	10	20	20	60	20	20	-	-	200	3	-	2	4	Blended	PP
3.	240603	DC	AI in Robotics	50	10	20	20	60	20	20	-	-	200	3	-	2	4	Blended	PP
4.	DE	DE	Departmental Elective* (DE-1)	-	-	-	-	-	-	-	25	75	100	3	-	-	3	Online	MCQ
5.	OC	OC	Open Category (OC-1)	50	10	20	20	-	-	-	-	-	100	3	-	-	3	Blended	PP
6.	240604	DLC	Minor Project-II**	-	-	-	-	60	40	-	-	-	100	-	-	4	2	Offline	SO
7.	200XXX	CLC	Novel Engaging Course (Informal Learning)	-	-	-	-	50	-	-	-	-	50	-	-	2	1	Interactive	SO
Total				200	40	80	80	290	100	60	25	75	950	14	01	12	21	-	-
8.	1000007	MAC	Intellectual Property Rights (IPR)	50	10	20	20	-	-	-	-	-	100	2	-	-	GRADE	Online	MCQ

Summer Internship-III (On Job Training) for Four weeks duration: Evaluation in VII Semester

Additional Course for Honours or minor Specialization Permitted to opt for maximum two additional courses for the award of Honours or Minor specialization

\* proficiency in course/subject includes the weightage towards ability/skill/competence/knowledge level/ expertise attained etc. in that particular course/subject.

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

\*\* The minor project-II may be evaluated by an internal committee for awarding sessional marks.

Mode of Teaching					Mode of Examination					Total Credits
Theory		Lab	NEC		Theory			Lab	NEC	
Offline	Online	Blended	Offline	Interactive	PP	AO	MCQ	SO	SO	
00	03	12	05	01	12	00	03	05	01	21
00%	14.29%	57.14%	23.81%	4.76%	57.14%	00%	14.29%	23.81%	4.76%	Credits %

DEAN (ACADEMICS)  
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DE -I*		
S. No.	Subject Code	Subject Name
1.	240661	Programming In Java (12 Weeks)
2.	240662	Introduction To Internet Of Things (12 Weeks)
3.	240663	Advanced Graph Theory (8 Weeks)

OC-I		
S. No.	Subject Code	Subject Name
1.	910102	Data Mining & Warehousing
2.	910103	Software Engineering

\* Course run through SWAYAM/NPTEL/ MOOC Learning Based Platform

**List of courses to be opted for Honours or Minor specialization in VI Semester**

Honours*	
<i>(to be opted by students of Parent Department)</i>	
Course Code	Course Name
AI0623H1	Artificial Intelligence: Knowledge Representation And Reasoning (12 Weeks)
AI0623H2	GPU Architectures And Programming (12 Weeks)
AI0623H3	Advanced Computer Architecture (12 Weeks)
AI0623H4	The Joy of Computing using Python (12 Weeks)

Minor specialization *	
<i>(to be opted by students of Other Department)</i>	
Course Code	Course Name
AI0623M1	Programming, Data Structures and Algorithms in Python (8 Weeks)
AI0623M2	AI: Constraint Satisfaction (8 Weeks)
AI0623M3	Design and analysis of algorithms (8 Weeks)
AI0623M4	Introduction to Machine Learning (12 Weeks)

\* Course run through SWAYAM/NPTEL/ MOOC Learning Based Platform

Note: In each semester (starting from V to VIII semester), it is required to opt for new subjects towards Honours Degree/ Minor Specialization.

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27/12/22  
DEAN (ACADEMICS)  
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