

Admitted
2020-2021



MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR - 474005
(A Govt. Aided UGC Autonomous Institute Affiliated to R.G.P.V. Bhopal, M.P.)

Passed in
20 May 2020

Master of Technology (Computer Science & Engineering) (Semester - I) **Recommended W.E.F JULY 2020**

Scheme of Examination

S. No.	Subject Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Periods per week			Total Credits
			Theory Slot			Practical Slot		MOOCs			L	T	P	
			End Sem.	Mid Sem.	Quiz/ Assignment	End Sem.	Lab work/ sessional	Assignment	Exam					
1.	620111	Database Systems	70	20	10	-	-	-	-	100	3	-	-	3
2.	620112	Distributed Computing	70	20	10	-	-	-	-	100	3	-	-	3
3.	620113	High-speed Networks	70	20	10	-	-	-	-	100	3	-	-	3
4.	DE	Departmental Elective-I	70	20	10	-	-	-	-	100	3	-	-	3
5.	OC	Open Category Course* (OC-1)	70	20	10	-	-	-	-	100	3	-	-	3
6.	620121	Lab-I [#]	-	-	-	90	60	-	-	150	-	-	4	4
7.	620122	Self-Learning / Presentation [§]	-	-	-	-	100	-	-	100	-	-	2	2
		Total	350	100	50	90	160	-	-	750	15	-	6	21

* Open Category course (OC-1) will have to be opted from the pool of open courses. This course will be based on interdisciplinary aspects.

During labs, students have to perform practical/assignments/ minor projects related to theory subjects/theoretical concepts of respective semester using recent technologies / languages / tools etc.

§ Self learning / presentation through SWAYAM / NPTEL (Registration in a course will be compulsory for students but assessment will be based on internal seminar presentation).

DE-1	
Subject Code	Subject Name
620114	Mobile Computing & M-Commerce
620115	Adhoc & Sensor Based Networks
620116	Network Security ✓
620117	Computer Architecture and Parallel Processing

OC-1	
Subject Code	Subject Name
620118	Soft Computing
620119	Blockchain Technology
620120	Machine Learning using Python ✓

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Department of Computer Science and Engineering

Master of Technology (Computer Science and Engineering) (Semester II) **Recommended W.E.F. July 2020**

Scheme of Examination

Scheme of Examination														
S.N.	Subject Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Periods per week			To Cr
			Theory Slot			Practical Slot		MOOC's			L	T	P	
			End. Sem.	Mid Sem.	Quiz/ Assignment	End Sem.	LabWork/ sessional	Assignment	Exam					
1	620211	Algorithm Design Technique and Analysis	70	20	10	-	-	-	-	100	3	-	-	3
2	620212	Advance Topic in Data Mining & Warehousing	70	20	10	-	-	-	-	100	3	-	-	3
3	620213	Image Processing and Retrieval Technique	70	20	10	-	-	-	-	100	3	-	-	3
4	DE	Department Elective-II (Through SWAYAM/NPTEL)	-	-	-	-	-	25	75	100	3	-	-	3
5	OC	Open Category Course(OC-2)	70	20	10	-	-	-	-	100	3	-	-	3
6	620221	Lab-II	-	-	-	90	60	-	-	150	-	-	4	4
7	620222	Self Learning/ Presentation	-	-	-	-	100	-	-	100	-	-	2	2
		Total	280	80	40	90	160	25	75	750	15	-	6	21

Elective II course will run through SWAYAM/NPTEL/ MOOCs based learning platform (with credit transfer facility)

Open Category course (OC-2) will have to be opted from pool of open courses. This course will be based on interdisciplinary aspects. [This course may be run through SWAYAM/NPTEL based platform(with credit transfer facility)and accordingly, OC-2 pool may be created from the list of SWAYAM/NPTEL courses]

During labs, students has to perform practical/assignments/minor projects related to theory subjects/theoretical concepts of respective semester using recent technologies/ language/tools etc,

Self learning/ presentation through SWAYAM/NPTEL(Registration in a course will be compulsory for the students bus assessment will be based on internal seminar presentation)

Subject Code	Subject Name (DE-2)
DE-2	
620216	Cloud Computing
620217	Social Networking
OC-2	
620214	Internet of Things
620215	Deep Learning

Subjects of DE/
Revised as
OC held on
07 June 2021



Master of Technology (Computer Science & Engineering) (Semester-III)

Scheme of Examination

Recommended W.E.F. JULY 2020

Revised Scheme already Approved as per

Scheme of Examination														
Maximum Marks Allotted														
S. No.	Subject Code	Subject Name	Theory Slot			Practical Slot		MOOCs		Total Marks	Contact Hours per week			Total Credits
			End sem. Exam.	Mid sem.	Quiz/ Assignment	End Sem. /Practical Viva	Sessional Work/ Practical Record/ Assignment/ Quiz/ Presentation	Assignment	Exam		L	T	P	
1.	620311	Dissertation Part-I (Literature Review/ Problem Foundation/ Synopsis/survey paper, etc.)	-	-	-	150	100	-	-	250	-	-	10	10
2.	OC	MOOC Course*	-	-	-	-	-	25	75	100	-	-	02	02
		Total	-	-	-	150	100	25	75	350	-	-	12	12

* MOOC course will be treated as the course of open nature and will be decided by concerning department / BoS.

OC*	
Subject Code	Subject Name
	Big Data Computing
	Computer Vision

*OC subjects are added
as per dated 01/07/2020*



Master of Technology (Computer Science & Engineering) (Semester-IV) **Recommended W.E.F. JULY 2020**

Scheme of Examination

Scheme of Examination												
S. No.	Subject Code	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
			Theory Slot			Practical Slot			L	T	P	
			End sem. Exam.	Mid sem.	Quiz/ Assignment	End Sem. /Practical Viva	Sessional Work/ Practical Record/ Assignment/ Quiz/ Presentation					
1.	620405	Dissertation Part-II	-	-	-	300	200	500	-	-	14	14
		Total	-	-	-	300	200	500	-	-	14	14
