

Admitted  
2020-2021



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
<b>Total</b>			<b>350</b>	<b>100</b>	<b>50</b>	<b>90</b>	<b>160</b>	<b>-</b>	<b>-</b>	<b>750</b>	<b>15</b>	<b>-</b>	<b>6</b>	<b>21</b>

\* 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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**MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR -474005**  
 (A Govt. Aided UGC Autonomous Institute Affiliated to R.G.P.V. Bhopal, M.P.)  
 Department of Computer Science and Engineering

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

**Scheme of Examination**

S.N.	Subject Code	Subject Name	Maximum Marks Allotted						Total Marks	Contact Periods per week			Total Credits	
			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)
<b>DE-2</b>	
620216	Cloud Computing
620217	Social Networking
<b>OC-2</b>	
620214	Internet of Things
620215	Deep Learning

Subjects of DE/  
 Referred as  
 BOC held on  
 07 June 2021



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

*Revised Scheme already Approved as per*

**Scheme of Examination**

S. No.	Subject Code	Subject Name	Maximum Marks Allotted													
			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	-	25	-	75	350	-	-	12	12
2.	OC	MOOC Course*	-	-	-	-	-	-	25	-	75	100	-	-	02	02
		<b>Total</b>	-	-	-	<b>150</b>	<b>100</b>		<b>25</b>		<b>75</b>	<b>350</b>	-	-	<b>12</b>	<b>12</b>

\* 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 in Bos dated 05/07/2020*



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

**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
		<b>Total</b>	-	-	-	300	200	500	-	-	14	14

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