

Admitted
2020-21

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(A Govt. Aided UGC Autonomous Institute Affiliated to RGPV, Bhopal) Annexure-14

Scheme of Examination

B.Tech. I Semester (Computer Science & Engineering)

For batches 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 Exam	Mode of Teaching (Offline/Online)
				Theory Slot				Practical Slot				L	T	P			
				End Sem.		Mid Sem.	Quiz/Assignment	End Sem.	Lab work / Sessional	Skill Base mini Project							
				End Term Evaluation	Proficiency in subject/course												
1.	230102	DC	Introduction to Computer Programming	50	10	20	20	60	20	20	200	2	1	2	4	A+O	Offline (3/0)
2.	100022	ESC	Basic Electrical & Electronics Engineering	50	10	20	20	60	20	20	200	2	1	2	4	MCQ	Blended (2/1)
3.	100020	ESC	Basic Civil Engineering & Mechanics	50	10	20	20	-	-	-	100	3	-	-	3	PP	Blended (2/1)
4.	100021	ESC	Basic Mechanical Engineering	50	10	20	20	-	-	-	100	3	-	-	3	MCQ	Blended (2/1)
5.	100015	HSMC	Energy, Environment, Ecology & Society	50	10	20	20	-	-	-	100	3	-	-	3	MCQ	Online (0/3)
6.	150111	DLC	IT workshop	-	-	-	-	60	20	20	100	-	-	4	2	SO	Offline
Total				250	50	100	100	180	60	60	800	13	02	08	19		
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.																	
NSS / NCC																	
Qualifier																	

01 Theory Period=1 Credit; 02 Practical Periods =1 Credit

³Proficiency in course/subject – includes the weightage towards ability/ skill/ competence /knowledge level /expertise attained /attendance etc. in that particular course/subject

Mode of Teaching				Mode of Examination					Total Credits
Theory		Blended		Lab	Theory			Lab	
Offline	Online	Offline	Online	Offline	PP	A+O	MCQ	SO	
3	3	6	3	4	3	4	10	2	
15.78	15.78	31.5	15.78	21.0	15.8	21.0	52.6	10.5	
Credits %									

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Scheme of Examination

B.Tech. II Semester (Computer Science and Engineering)

For batches admitted in Academic Session 2021-22

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per Week			Total Credits	Mode of Teaching (Offline/Online)	Mode of Exam
				Theory Slot				Practical Slot				L	T	P			
				End Sem.	Mid Sem.	Quiz/Assignment	End Sem.	Lab work / Sessional	S Skill Base mini Project								
				End Term Evaluation	Proficiency in subject/course												
1.	100011	BSC	Engineering Mathematics -I	50	10	20	20	-	-	-	100	3	1	-	4	Offline	PP
2.	150211 150214	DC	Data Structures	50	10	20	20	60	20	20	200	2	1	2	4	Blended (2/1)	PP
3.	150212	DC	Object Oriented Programming & Methodology	50	10	20	20	60	20	20	200	3	-	2	4	Blended (2/1)	A+O
4.	150213	DC	Digital Electronics	50	10	20	20	-	-	-	100	2	1	-	3	Blended (2/1)	PP
5.	100016	HSMC	Technical Language	50	10	20	20	-	-	-	100	3	-	-	3	Blended (2/1)	PP
6.	100017	HSMC	Language Lab	-	-	-	-	60	20	20	100	-	-	2	1	Offline	SO
Total				250	50	100	100	180	100	60	800	13	03	06	19		

Summer Internship Project - I (Institute Level) (Qualifier): Minimum two-week duration: Evaluation in III Semester.

01 Theory Period=1 Credit; 02 Practical Periods=1 Credit

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

Mode of Teaching				Mode of Examination					Total Credits
Theory		Blended		Theory			Lab		
Offline	Online	Offline	Online	Offline	PP	A+O	MCQ	SO	
4	-	8	4	3	14	4	-	1	
21.0	-	42.10	21.0	15.78	73.68	21.0	-	5.26	
Credits %									

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
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Scheme of Examination
B.Tech. III Semester (Computer Science and Engineering)

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted						For batches admitted in Academic Session 2021-22					Mode of Teaching (Offline/ Online)	Mode of Exam		
				Theory Slot				Practical Slot		Total Marks	Contact Hours per week			Total Credits				
				End Term Evaluation		Continuous Evaluation		End Sem.	Continuous Evaluation		L	T	P					
				End Term Evaluation	Proficiency in subject /course	Mid Sem. Exam.	Quiz/ Assignment		Lab Work & Sessional								Skill based mini project	
1.	100025	BSC	Engineering Mathematics-II	50	10	20	20	-	-	-	100	2	1	-	3	Offline (3/0)	PP	
2.	150311	DC	Computer System Organization	50	10	20	20	-	-	-	100	2	1	-	3	Blended (2/1)	PP	
3.	150312	DC	Operating Systems	50	10	20	20	-	-	-	100	2	1	-	3	Blended (2/1)	PP	
4.	150313	DC	Computer Graphics	50	10	20	20	60	20	20	200	2	1	2	4	Blended (2/1)	PP	
5.	150314	DC	Design & Analysis of Algorithms	50	10	20	20	60	20	20	200	2	1	2	4	Blended (2/1)	PP	
6.	150315	DLC	Computer Hardware & Troubleshooting Lab	-	-	-	-	60	20	20	100	-	-	4	2	Offline	SO	
7.	150316	SEMINAR/ SELF STUDY	Self-learning/Presentation (SWAYAM/NPTEL/ MOOC) #	-	-	-	-	-	40	-	40	-	-	2	1	Online Mentoring	SO	
8.	200XXX	CLC	Novel engaging courses	-	-	-	-	50	-	-	50	-	-	2	1	Interactive	SO	
9.	150317	DLC	Summer Internship Project -I (Institute Level) (Evaluation)	-	-	-	-	60	-	-	60	-	-	4	2	Offline	SO	
Total				250	50	100	100	290	100	60	950	11	4	16	23			
10.	1000005	MAC	Project Management and Financing	50	10	20	20	-	-	-	100	2	-	-	-	Grade	Online	MCQ

*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 &

Mode of Teaching						Mode of Examination					Total Credits
Theory		Blended		Lab	NEC	Theory			Lab	SIP/ SLP/ NEC	
Offline	Online	Offline	Online	Offline	Interactive	PP	A+O	MCQ	SO	SO	
13.04	-	8	4	7	1	17	-	-	2	4	23
34.78	-	34.78	17.39	30.43	4.34	73.91	-	-	8.69	17.39	Credits %

MLT
DEAN (ACADEMICS)
MLTS

MLT

Secan
Date 26/10/22

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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Scheme of Examination

B.Tech. IV Semester (Computer Science and Engineering)

For batches admitted in Academic Session 2021-22 Onwards

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching (Offline/ Online)	Mode of Exam
				Theory Slot				Practical Slot				L	T	P			
				End Term Evaluation		Continuous Evaluation		End Sem.	Continuous Evaluation								
				End Term Evaluation	³ Proficiency in subject /course	Mid Sem. Exam.	Quiz/ Assignment		Lab Work & Sessional	Skill based mini project							
1.	150411	DC	Computer Networks	50	10	20	20	60	20	20	200	3	-	2	4	Blended (2/1)	PP
2.	150412	DC	Database Management System	50	10	20	20	60	20	20	200	2	1	2	4	Blended (2/1)	PP
3.	150413	DC	Software Engineering	50	10	20	20	-	-	-	100	3	-	-	3	Blended (2/1)	MCQ
4.	150414	DC	Theory of Computation	50	10	20	20	-	-	-	100	2	1	-	3	Blended (2/1)	PP
5.	150415	DLC	Programming Lab Python Programming	-	-	-	-	60	20	20	100	-	-	4	2	Offline	SO
6.	150416	DC	Discrete Structures	50	10	20	20	-	-	-	100	3	-	-	3	Blended (2/1)	PP
7.	2000XXX	CLC	Novel engaging courses					50	-	-	50	-	-	2	1	Interactive	SO
Total				250	50	100	100	230	60	60	850	13	2	10	20		
8.	1000001	MAC	Indian Constitution and Traditional Knowledge(Mandatory Audit Course) SS	50	10	20	20	-	-	-	100	2	-	-	Grade	Online	MCQ
Summer Internship Project-II (Soft skills Based) for two weeks duration: Evaluation in V Semester																	

MCQ: Multiple Choice Question AO: Assignment + Oral OB: Open Book PP: Pen Paper SO: Submission & Oral CLC:College level course

³Proficiency in course/subject – includes the weightage towards ability/ skill/ competence /knowledge level /expertise attained /attendance ,one minute paper writing etc. in that particular course/subject,SS Course will run for Group A/B in III/IV semester respectively.

Mode of Teaching				Mode of Examination							Total Credits
Theory		Lab	NEC	Theory			Lab	SIP/ SLP/ NEC			
Offline	Online	Offline	Interactive	PP	A+O	MCQ	SO	SO			
-	-	10	5	4	1	14	-	3	2	1	20
-	-	50	25	20	5	70	-	15	10	5	Credits %