

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. aided UGC Autonomous NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Department of Computer Science and Engineering

Change in Syllabus and Scheme for Master of Computer Applications(2021-2022)

SEMESTER	2018-2020 Batch		2020-2022 Batch		Change	Percentage Change	Percentage change in syllabus	change due to change in content
	COURSE CODE	COURSE NAME	COURSE CODE	COURSE NAME				
I	680101	SAD and Software Engineering	680111	Mathematical Foundations	NO			
	680102	Mathematical Foundation of Computer Science	680112	Data Structures and Algorithms	NO			
	680103	Programming and Problem Solving in C	680113	Database Management Systems	NO			
	680104	Computer Organization and Assembly Language Programming	680114	Operating Systems	NO			
	680105	Communication Skills	680115	Management Functions and Oral & written Communication	YES			
	680106	Programming Laboratory in C	680116	Lab-1 (Object Oriented Programming Lab)	YES			
	680107	Assembly Language Laboratory	680117	Lab-II(DBMS Lab)	NO			
						8.33333333		
	680201	Multimedia Systems	680211	Software Engineering	NO			
	680202	Computer Graphics	680212	Internet of Things(IoT)	YES			
	680203	Data Structures	680213	Computer Networks	NO			

II	680204	Computer Oriented Numerical & Statistical Methods	DE-1	680214 Computer Architecture and Organization 680215 Computer Graphics and Multimedia 680216 Web Technology 680217 Machine Learning using Python	YES			
	680205	Accounting & Management Control	DE-2	680218 Management Economics 680219 Corporate Planning 680220 MIS Framework and Implementation 680221 Management and Software Projects 680222 Organizational Behavior	YES			
	680206	Data Structures Programming Laboratory	680223	Lab-III (Java Programming Laboratory)	YES			
	680207	Programming Laboratory in Computer Graphics	680224	Lab-IV(Business Programming Laboratory)	YES			
						20.83333333		
	680301	Computer Oriented Optimization	680311	Artificial Intelligence and Applications	NO			
	680302	Operating System	680312	Management Support System	NO			
	680303	Object Oriented Methodology & C++	680313	Datamining and Warehousing	NO			

III	680304	Database Mgmt. System	DE-III	Department Elective -III (MOOC) 680314 Cloud Computing 680315 Social Networks 680316 Big Data Computing	YES			
	680305	Managerial Economics	OC	680317 Web Technologies 680318 Human Computer Interaction 680319 Network and Cyber Security	YES			
	680306	Minor Project-I (VB+MySql)	680322	Minor Project	NO			
	680307	C++ Programming Laboratory	680323	Lab-V (Python Programming Lab)	YES			
					NO	12.5		
IV	680401	Theory of Computation	680405	Self Learning Presentation Seminar	YES			
	680402	Artificial Intelligence and Machine Learning	680406	System Development Project/Internship	NO			
	680403	Unix and Shell Programming (Elective-I)	NA	NA	NA			
	680404	Java Programming and Technologies	NA	NA	NA			
	680405	Computer Networks and Communication	NA	NA	NA			
	680406	Minor Project-II (Java and My-SQL)	NA	NA	NA			
	680407	Programming Laboratory in Unix and Shell Programming	NA	NA	NA			
						4.16666667		

V	680501	Analysis and Design of Algorithms	NA	NA	NA			
	680502	Network and Cyber Security	NA	NA	NA			
	680503	Web Technologies and Cloud Computing	NA	NA	NA			
	680504	Elective-I(.NET Tech	NA	NA	NA			
	680505	Elective-II(Data Warehousing and Mining)	NA	NA	NA			
	680506	Minor Project-III Web Based Application using .NET	NA	NA	NA			
	680507	Programming Laboratory in PHP and Web Technologies	NA	NA	NA			
			NA	NA	NA			
						0		
VI	680601	System Development Project	NA	NA	NA			
						0		
				Total Change	45.83333333	45.83333333		
							OVERALL PERCENTAGE CHANGE	45.83333333
OLD SYLLABUS			REVISED SYLLABUS					