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		Percentage Change
	COURSE CODE	COURSE NAME	COURSE CODE	COURSE NAME	
I	680101	SAD and Software Engineering	680111	Mathematical Foundations	45.83
	680102	Mathematical Foundation of Computer Science	680112	Data Structures and Algorithms	
	680103	Programming and Problem Solving in C	680113	Database Managemen Systems	
	680104	Computer Organization and Assembly Language Programming	680114	Operating Systems	
	680105	Communication Skills	680115	Management Fuctions and Oral & written COmmunication	
	680106	Programming Laboratory in C	680116	Lab-1 (Object Oriented Programming Lab)	
	680107	Assembly Language Laboratory	680117	Lab-II(DBMS Lab)	
II	680201	Multimedia Systems	680211	Software Engineering	
	680202	Computer Graphics	680212	Internet of Things(IoT)	
	680203	Data Structures	680213	Computer Networks	
	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	
	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	
	680206	Data Structures Programming Laboratory	680223	Lab-III (Java Programming Laboratory)	
	680207	Programming Laboratory in Computer Graphics	680224	Lab-IV(Busciness Programming Laboratory)	
III	680301	Computer Oriented Optimization	680311	Artificial Intelligence and Applications	
	680302	Operating System	680312	Management Support System	
	680303	Object Oriented Methodology & C++	680313	Datamining and Warehousing	
	680304	Database Mgmt. System	DE-III	Department Elective -III(MOOC) 680314 Cloud Computing 680315 Social Networks 680316 Big Data Computing	
	680305	Managerial Economics	OC	680317 Web Technologies 680318 Human Computer Interaction 680319 Network and Cyber Security	
	680306	Minor Project-I(VB+MySql)	680322	Minor Project	
	680307	C++ Programming Laboratory	680323	Lab-V (Python Programming Lab)	
IV	680401	Theory of Computation	680405	Self Learning Presentation Seminar	
	680402	Artificial Intelligence and Machine Learning	680406	System Development Project/Internship	
	680403	Unix and Shell Programming(Elective-I)	-	-	
	680404	Java Programming and Technologies	-	-	
	680405	Computer Networks and Communication	-	-	
	680406	Minor Project-II(Java and My-SQL)	-	-	
	680407	Programming Laboratory in Unix and Shell Programming	-	-	

	680501	Analysis and Design of Algorithms	NA	NA	
V	680502	Network and Cyber Security	NA	NA	
	680503	Web Technologies and Cloud Computing	NA	NA	
	680504	Elective-I(.NET Technologies and C#)	NA	NA	
	680505	Elective-II(Data Warehousing and Mining)	NA	NA	
	680506	Minor Project-III Web Based Application using .NET	NA	NA	
	680507	Programming Laboratory in PHP and Web Technologies	NA	NA	
			NA	NA	
VI	680601	System Development Project	NA	NA	