

Master of Computer Application Department
Structure for First Year MCA programme wef academic year 2023-2024

Semester-I											
Sr.No	Category	Course Code	Course Title	Lectures	Practicals	Contact Hrs / Week	Course Credits	Examination Scheme			
								ISE-I	ISE-II	ESE	TOTAL
Theory Courses											
1	PCC	MCPCC1001	Data Structures	3		3	3	20	20	60	100
2	PCC	MCPCC1002	Computer Programming	3		3	3	20	20	60	100
3	PCC	MCPCC1003	Data Base Management System	3		3	3	20	20	60	100
4	VSE	MCVSE1001	Web Programming and scripting	4		4	4	20	20	60	100
5	PCC	MCPCC1004	Software Engineering	3		3	3	20	20	60	100
Practical Courses											
6	PCC	MCPCC1005	Lab: Data Structures		2	2	1		25	25	50
7	PCC	MCPCC1006	Lab: Computer Programming		4	4	2		50	25	75
8	PCC	MCPCC1007	Lab: Data Base Management System		4	4	2		50	25	75
9	VSE	MCVSE1002	Lab: Web Programming and scripting		2	2	1		25	25	50
10	CCC	INCCC5001	Lab: YOGA/ Club		2	2			-	-	-
Total				16	14	30	22	100	250	400	750

Abbreviations-

ISE-I-Class Test for Theory Courses ISE-II-Teachers Assessment for Theory Courses/ Term Work for Laboratory Courses ESE-End Semester Examination

Course INCCC5001 Lab: YOGA/CLUB is offered by Mechanical Engineering Department.

Approved in BoS meeting held on 24/08/2023 and Approved by Chairman, Academic Council

Master of Computer Application Department
Structure for First Year MCA programme wef academic year 2023-2024

Semester-II											
Sr.No	Category	Course Code	Course Title	Lectures	Practicals	Contact Hrs / Week	Course Credits	Examination Scheme			
								ISE-I	ISE-II	ESE	TOTAL
Theory Courses											
1	PCC	MCPC1008	Object Oriented Programming with Java	3		3	3	20	20	60	100
2	PCC	MCPC1009	Python Programming	3		3	3	20	20	60	100
3	PCC	MCPC1010	Information Security	3		3	3	20	20	60	100
4	PEC	MCPEC1001 to MCPEC1003	Elective-I	4		4	4	20	20	60	100
5	OEC	-	Open Elective-I	3		3	3	20	20	60	100
Practical Courses											
6	PCC	MCPC1011	Lab: Object Oriented Programming with Java		4	4	2		50	25	75
7	PCC	MCPC1012	Lab: Python Programming		4	4	2		50	25	75
8	PCC	MCPC1013	Lab: Information Security		2	2	1		25	25	50
9	HSSM/AEC	MCAEC1001	Lab: Technical Communication skills		2	2	1		25	25	50
Total				16	12	28	22	100	250	400	750

Elective-I			Open Elective-I		
MCPEC1001	Data Science		CSOEC5002	Professional Ethics and Cyber law	
MCPEC1002	Soft Computing		ECOEC5006	IOT for Smart Systems	
MCPEC1003	Data Mining		AMOEC6001	Indian Constitutions	

Abbreviations-

ISE-I-Class Test for Theory Courses ISE-II-Teachers Assessment for Theory Courses/ Term Work for Laboratory Courses ESE-End Semester Examination

Course CSOEC5002 Professional Ethics and Cyber law is offered by Computer Engineering Department

Course ECOEC5006 IOT for Smart Systems is offered by Electronics Engineering Department

Course AMOEC6001 Indian Constitutions is offered by Applied Mechanics Department

Approved in BoS meeting held on 24/08/2023 and Approved by Chairman, Academic Council

Master of Computer Application Department
Structure for Second Year MCA programme wef academic year 2024-2025

Semester-III											
Sr.No	Category	Course Code	Course Title	Lectures	Practicals	Contact Hrs / Week	Course Credits	Examination Scheme			
								ISE-I	ISE-II	ESE	TOTAL
Theory Courses											
1	PCC	MCPECC2014	Advance Java	3	-	3	3	20	20	60	100
2	PCC	MCPECC2015	ASP.Net and C#	4	-	4	4	20	20	60	100
3	HSSM /EEM	MCEEM2001	Enterprise Resource Planning	3	-	3	3	20	20	60	100
4	PEC	MCPECC2004 to MCPECC2006	Elective-II	3	-	3	3	20	20	60	100
5	PEC	MCPECC2007 to MCPECC2009	Elective-III	3	-	3	3	20	20	60	100
6	IKS	MCIKS2001	Indian Knowledge System	2	-	2	2	20	20	60	100
Practical Courses											
7	PCC	MCPECC2016	Lab: Advance Java	-	4	4	2	-	50	25	75
8	PCC	MCPECC2017	Lab: ASP.Net and C#	-	2	2	1	-	25	25	50
9	HSSM (AEC)	MCAEC2002	Seminar	-	2	2	1	-	50	-	50
10	PRJ	MCPRJ2001	Minor Project	-	4	4	2	-	50	25	75
Total				18	12	30	24	120	270	460	850

Elective-II				Elective-III			
MCPECC2004	Software Quality Assurance			MCPECC2007	Mobile Technology		
MCPECC2005	Machine Learning			MCPECC2008	Block Chain		
MCPECC2006	Big Data Analytics			MCPECC2009	Cloud Computing		

Abbreviations-

ISE-I-Class Test for Theory Courses ISE-II-Teachers Assessment for Theory Courses/ Term Work for Laboratory Courses ESE-End Semester Examination

Approved in BoS meeting held on 24/08/2023 and Approved by Chairman, Academic Council

Master of Computer Application Department
Structure for Second Year MCA programme wef academic year 2024-2025

Semester-IV											
Sr.No	Category	Course Code	Course Title	Lectures	Practicals	Contact Hrs / Week	Course Credits	Examination Scheme			
								ISE-I	ISE-II	ESE	TOTAL
Theory Courses											
1	INT	MCINT2001	Internship/ On Job Training		40	40	20		100	100	200
Total				-	40	40	20		100	100	200

Abbreviations-

ISE-I-Class Test for Theory Courses ISE-II-Teachers Assessment for Theory Courses/ Term Work
for Laboratory Courses ESE-End Semester Examination

Approved in BoS meeting held on 24/08/2023 and Approved by Chairman, Academic Council

(Signature)

(Signature)

Head of Department
Master of Computer Application Department