

**FOR ADMISSION BATCH 2024-25
MASTER IN COMPUTER APPLICATION
FIRST YEAR (FIRST SEMESTER)**

Sl. No.	Category	Course Code	Course	Contact Hrs. L-T-P	Credit	University Marks	Internal Evaluation
Subject							
1.	BS	MCBS1001	Discrete Mathematics	3-0-0	3	100	50
2.	PC	MCPC1001	Digital Logic Design	3-0-0	3	100	50
3.	PC	MCPC1002	Computer Networks	3-0-0	3	100	50
4.	PC	MCPC1003	Programming for Problem Solving	3-0-0	3	100	50
5.	PC	MCPC1004	Database Management Systems	3-0-0	3	100	50
6.	HS	MCHS1001	Communicative English	2-0-0	2	100	50
7.	PC	MCPC1201	Computer Networks Lab.	0-0-3	1.5	-	100
8.	PC	MCPC1202	C Programming Lab	0-0-3	1.5	-	100
9.	PC	MCPC1203	Database Management Systems Lab	0-0-3	1.5	-	100
10.	HS	MCHS1201	Language Lab	0-0-3	1.5	-	100
Total				17-0-12	23	600	700

FIRST YEAR (SECOND SEMESTER)

Sl. No.	Category	Course Code	Course	Contact Hrs. L-T-P	Credit	University Marks	Internal Evaluation
Subject							
1.	PC	MCPC1005	Object-Oriented Programming using JAVA	3-0-0	3	100	50
2.	PC	MCPC1006	Software Engineering	3-0-0	3	100	50
3.	PC	MCPC1007	Data Structures	3-0-0	3	100	50
4.	PC	MCPC1008	Computer Organization and Architecture	3-0-0	3	100	50
5.	PC	MCPC1009	Theory of Computation	3-0-0	3	100	50
6.	HS	MCHS1002	Universal Human Values & Professional Ethics	2-0-0	2	100	50
7.	PC	MCPC1204	Object-Oriented Programming Lab	0-0-3	1.5	-	100
8.	PC	MCPC1205	Software Engineering Lab	0-0-3	1.5	-	100
9.	PC	MCPC1206	Data Structures Lab	0-0-3	1.5	-	100
10.	PC	MCPC1207	Programming in Python Lab	0-0-3	1.5	-	100
Summer Internship and Research Experience (SIRE)*							
Total				17-0-12	23	600	700

**Minimum 04 weeks of Summer Course / Training / Internship / Skill Course / etc. after 2nd Semester.*

Note: Click here to view/download the syllabus of the subjects.

**FOR ADMISSION BATCH 2024-25
MASTER IN COMPUTER APPLICATION
SECOND YEAR (THIRD SEMESTER)**

Sl. No.	Category	Course Code	Course	Contact Hrs. L-T-P	Credit	University Marks	Internal Evaluation
Subject (Theory)							
1.	PC	MCPC2001	Design and Analysis of Algorithms	3-0-0	3	100	50
2.	PC	MCPC2002	Operating Systems	3-0-0	3	100	50
3.	PC	MCPC2003	Artificial Intelligence and Machine Learning	3-0-0	3	100	50
4.	PE	MCPE2001	Computational Intelligence	3-0-0	3	100	50
		MCPE2002	Cryptographic Foundation				
		MCPE2003	Object Oriented Analysis and Design				
		MCPE2004	Internet & Web Technology				
		MCPE2005	Natural Language Processing				
		MCPE2006	Compiler Design				
5.	PE	MCPE2007	Soft Computing	3-0-0	3	100	50
		MCPE2008	Data Mining and Data Warehousing				
		MCPE2009	Advanced Computer Architecture				
		MCPE2010	Blockchain Technology				
		MCPE2011	Operation Research				
		MCPE2012	Software Testing and Quality Assurance				
6.	HS	HSHS2003	Entrepreneurship Development	2-0-0	2	100	50
Subject (Practical / Sessional)							
7.	PC	MCPC2201	Design and Analysis of Algorithms Laboratory	0-0-3	1.5	-	100
8.	PC	MCPC2202	Operating Systems Laboratory	0-0-3	1.5	-	100
9.	PC	MCPC2203	AI & ML Laboratory	0-0-3	1.5	-	100
10.	PSI	MCPS2201	Summer Internship and Research Experience	0-0-3	1.5	-	100
Total				17-0-12	23	600	700

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**FOR ADMISSION BATCH 2024-25
MASTER IN COMPUTER APPLICATION
SECOND YEAR (FOURTH SEMESTER)**

Sl. No.	Category	Course Code	Course	Contact Hrs. L-T-P	Credit	University Marks	Internal Evaluation
Subject (Theory)							
1.	PE	MCPE2013	Deep Learning	3-0-0	3	100	50
		MCPE2014	Distributed Systems				
		MCPE2015	Computer Graphics and Animation				
		MCPE2016	Software Project Management				
		MCPE2017	Network Security				
		-	Any one Online Course of 25-40 Hours from NPTEL MOOC Pool from the specified List-1.				
	PE	MCPE2018	Image Processing	3-0-0	3	100	50
		MCPE2019	Real-Time Systems				
		MCPE2020	Multimedia Technology				
		MCPE2021	Research Methodology and IPR				
		MCPE2022	Cyber Security and Cyber Laws				
		-	Any one Online Course of 25-40 Hours from NPTEL MOOC Pool from the specified List-2.				
Subject (Practical / Sessional)							
3.	PSI	MCPS2202	Comprehensive Viva - Voce		2	-	100
4.	PSI	MCPS2203	Industrial / Research Project	0-0-16	8	-	400
Total				6-0-16	16	200	600

List-1		List-2	
Course Code	Course	Course Code	Course
MCNT2201	Mobile Computing	MCNT2211	Big-Data Analytics
MCNT2202	Introduction to Data Science	MCNT2212	Advanced Computer Networks
MCNT2203	Internet-of-Things	MCNT2213	Cloud Computing
MCNT2204	Wireless Sensor Networks.	MCNT2214	Simulation and Modelling
MCNT2205	Information System Design	MCNT2215	Cloud Computing
MCNT2206	Advanced Database Management Systems	MCNT2216	Distributed Operating System
MCNT2207	E-Commerce and ERP	MCNT2217	Management Information System
-		MCNT2218	Intelligent Data Analysis
-		MCNT2219	Computer Based Optimization Techniques

Note: Click here to view/download the syllabus of the subjects.