

**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
<b>Subject (Theory)</b>							
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
<b>Subject (Practical / Sessional)</b>							
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
<b>Total</b>				<b>17-0-12</b>	<b>23</b>	<b>600</b>	<b>700</b>

Note: [Click here to view/download the syllabus of the subjects.](#)

**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
<b>Subject (Theory)</b>							
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				
		-	<b>Any one Online Course of 25-40 Hours from NPTEL MOOC Pool from the specified List-1.</b>				
	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				
		-	<b>Any one Online Course of 25-40 Hours from NPTEL MOOC Pool from the specified List-2.</b>				
<b>Subject (Practical / Sessional)</b>							
3.	PSI	MCPS2202	Comprehensive Viva - Voce		2	-	100
4.	PSI	MCPS2203	Industrial / Research Project	0-0-16	8	-	400
<b>Total</b>				<b>6-0-16</b>	<b>16</b>	<b>200</b>	<b>600</b>

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

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