

## Master of Computer Application (MCA)

### Semester-I

Sr. No.	Subject code	Subject Name
1.	MANC401	Computer Organization and Architecture
2.	MANC402	C Programming
3.	MANC403	Discrete Mathematics
4.	MANC404	Information System Analysis and Design Methods
5.	MANC405	DSS and MIS
6.	MANC406	Basic of Web Technology
7.	MANC451	Practical Based on MANC401
8.	MANC452	Practical Based on MANC402
9.	MANC453	Practical Based on MANC406

### Semester-II

Sr. No.	Subject code	Subject Name
1.	MANC407	Operating System
2.	MANC408	Database Management System
3.	MANC409	Data Structure using C
4.	MANC410	Software Engineering
5.	MANC411	Probability and Combinatory
6.	MANC412	Visual Programming
7.	MANC454	Practical Based on MANC408
8.	MANC455	Practical Based on MANC409
9.	MANC456	Practical Based on MANC412

### Semester-III

Sr. No.	Subject code	Subject Name															
1.	MANC501	Data Communication and Network															
2.	MANC506	OOPs Using C++															
3.	MANC507	Soft Skill															
4.	MANC508	JAVA															
5.	MANC52X	<b>Elective – I</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td rowspan="2">1</td> <td>MANC521</td> <td>Advance Database Management System</td> </tr> <tr> <td>MANC551</td> <td>Practical Based on MANC521</td> </tr> <tr> <td rowspan="2">2</td> <td>MANC522</td> <td>Introduction to Linux OS</td> </tr> <tr> <td>MANC522</td> <td>Practical Based on MANC522</td> </tr> <tr> <td rowspan="2">3</td> <td>MANC523</td> <td>Advanced Web Technology using ASP.net</td> </tr> <tr> <td>MANC523</td> <td>Practical Based on MANC523</td> </tr> </tbody> </table>	1	MANC521	Advance Database Management System	MANC551	Practical Based on MANC521	2	MANC522	Introduction to Linux OS	MANC522	Practical Based on MANC522	3	MANC523	Advanced Web Technology using ASP.net	MANC523	Practical Based on MANC523
1	MANC521	Advance Database Management System															
	MANC551	Practical Based on MANC521															
2	MANC522	Introduction to Linux OS															
	MANC522	Practical Based on MANC522															
3	MANC523	Advanced Web Technology using ASP.net															
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6.	MANC52X	<b>Elective – II</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>1</td> <td>MANC524</td> <td>Artificial Intelligence</td> </tr> <tr> <td>2</td> <td>MANC525</td> <td>Enterprise Resource Planning</td> </tr> <tr> <td>3</td> <td>MANC526</td> <td>Programming Language Paradigm</td> </tr> </tbody> </table>	1	MANC524	Artificial Intelligence	2	MANC525	Enterprise Resource Planning	3	MANC526	Programming Language Paradigm						
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3	MANC526	Programming Language Paradigm															
7.	MANC554	Practical Based on MNAC502															
8.	MANC55X	Practical Based on MANC504															
9.	MANC55X	Practical Based on Elective - I															

**Semester-IV**

Sr. No.	Subject code	Subject Name
1.	MANC505	Design and Analysis of Algorithms
2.	MANC506	Object Oriented Analysis and Design
3.	MANC507	Research Methodology
4.	MANC508	Software Testing and Quality Assurance
5.	MANC52X	<b>Elective-III</b>
		1    MANC527      Advanced JAVA
		MANC553      Practical Based on MANC527
		2    MANC528      C Sharp
		MANC554      Practical Based on MANC528
		3    MANC529      Data Mining
		MANC555      Practical Based on MANC529
6.	MANC52X	<b>Elective-IV</b>
		1    MANC530      Multimedia Technology
		MANC556      Practical Based on MANC530
		2    MANC531      Advances in Linux Administration
		MANC557      Practical Based on MANC531
		3    MANC532      XML with Database
		MANC558      Practical Based on MANC532
7.	MANC554	Practical Based on MANC508
8.	MANC55X	Practical Based on Elective-III
9.	MANC55X	Practical Based on Elective-IV
10.	MAN 591	Service Course-Skills for Effective Decision Making

**Semester-V**

Sr. No.	Subject code	Subject Name
1.	MANC701	Human Computer Interface
2.	MANC702	Advanced Internet Technology
3.	MANC703	Advance Algorithms
4.	MANC704	Software Project Management
5.	MANC72X	<b>Elective – V</b>
		1    MANC721      Artificial Neural Network
		MANC753      Practical Based on MANC721
		2    MANC722      Linux Bash Scripting
		MANC754      Practical Based on MANC722
		3    MANC723      JSP
		MANC755      Practical Based on MANC723
6.	MANC72X	<b>Elective – VI</b>
		1    MANC724      Emerging Trends in Information Technology
		2    MANC725      Mobile Computing
		3    MANC726      Cyber Law
7.	MANC751	Practical Based on MANC702
8.	MANC752	Practical Based on MANC703
9.	MANC75X	Practical Based on Elective-V

**Semester-VI**

Sr. No.	Subject code	Subject Name
1.	MANC756	Major Project