

**ANNA UNIVERSITY: CHENNAI – 600 025**  
**M.C.A. (MASTER OF COMPUTER APPLICATIONS)**

**CURRICULUM 2005 - FULL TIME (6 Semesters)**

**SEMESTER – I**

<b>Code No.</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>M</b>
<b>Theory</b>					
MC1601	Computer Organization	3	0	0	100
MC1602	Problem Solving and Programming	3	1	0	100
MC1603	Business Processes	3	0	0	100
MC1604	Data Structures	3	1	0	100
MC1605	Accounting and Financial Management	3	1	0	100
<b>Practical</b>					
MC1606	Data Structures Lab	0	0	3	100
MC1607	Programming Lab	0	0	3	100

**SEMESTER – II**

<b>Code No.</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>M</b>
<b>Theory</b>					
MC1651	Mathematical Foundations of Computer Science	3	1	0	100
MC1652	Object Oriented Programming	3	0	0	100
MC1653	Design and Analysis of Algorithms	3	1	0	100
MC1654	Database Management Systems	3	0	0	100
MC1655	Operating Systems	3	0	0	100
<b>Practical</b>					
MC1656	Object Oriented Programming Lab	0	0	3	100
MC1657	DBMS Lab	0	0	3	100
MC1658	Algorithms Lab	0	0	3	100

**SEMESTER – III**

Code No.	Course Title	L	T	P	M
<b>Theory</b>					
MC1701	Computer Networks	3	0	0	100
MC1702	Microprocessors and its Applications	3	1	0	100
MC1703	Software Engineering	3	0	0	100
MC1704	Computer Graphics and Multimedia Systems	3	1	0	100
MC1705	Internet Programming	3	0	0	100
<b>Practical</b>					
MC1706	Graphics and Multimedia Lab	0	0	3	100
MC1707	Microprocessor Lab	0	0	3	100
MC1708	Internet Programming Lab	0	0	3	100

**SEMESTER – IV**

Code No.	Course Title	L	T	P	M
<b>Theory</b>					
MC1751	UNIX and Network Programming	3	0	0	100
MC1752	Resource Management Techniques	3	0	0	100
E1***	Elective I	3	0	0	100
MC1753	Object Oriented Analysis and Design	3	1	0	100
MC1754	Middle-Ware Technologies	3	0	0	100
<b>Practical</b>					
MC1755	Visual Programming Lab	2	0	3	100
MC1756	Unix and Network Programming Lab	0	0	3	100
MC1757	Middleware Lab	0	0	3	100

**SEMESTER – V**

Code No.	Course Title	L	T	P	M
<b>Theory</b>					
MC1801	XML and Web Services	3	0	0	100
E2***	Elective II	3	0	0	100
E3***	Elective III	3	0	0	100
E4***	Elective IV	3	0	0	100
MC1802	Software Project Management	3	0	0	100
<b>Practical</b>					
MC1803	XML and Web Services Lab	0	0	3	100
MC1804	Software Development Lab	0	0	3	100

## SEMESTER – VI

Code No.	Course Title	L	T	P	M
<b>Practical</b>					
MC1851	Project Work	0	0	24	400

### LIST OF ELECTIVES M.C.A. (MASTER OF COMPUTER APPLICATIONS)

Code No.	Course Title	L	T	P	M
MC1621	Numerical and Statistical Methods	3	1	0	100
MC1622	Electronic Commerce	3	0	0	100
MC1623	Management Information Systems	3	0	0	100
MC1624	Web Graphics	3	0	0	100
MC1625	Human Resource Management	3	0	0	100
MC1626	Advanced Databases	3	0	0	100
MC1627	Software Quality Management	3	0	0	100
MC1628	TCP/IP Protocol Suite	3	0	0	100
MC1629	Distributed Computing	3	0	0	100
MC1630	Data Warehousing and Data Mining	3	0	0	100
MC1631	Component Based Technologies	3	0	0	100
MC1632	Managerial Economics	3	0	0	100
MC1633	Mobile Computing	3	0	0	100
MC1634	Digital Imaging	3	0	0	100
MC1635	Enterprise Resource Planning	3	0	0	100
MC1636	Agent Based Intelligent System	3	0	0	100
MC1637	Natural Language Processing	3	0	0	100
MC1638	Software Agents	3	0	0	100
MC1639	Supply Chain Management	3	0	0	100
MC1640	Healthcare Systems	3	0	0	100
MC1641	Portfolio Management	3	0	0	100
MC1642	Unix Internals	3	0	0	100
MC1643	Special Elective	3	0	0	100