



**MCA - MASTER OF COMPUTER APPLICATIONS
 (THREE YEAR FULL TIME)
 CURRICULUM 2008
 SEMESTER I**

Code No.	Course Title	L	T	P	C
Theory					
YCA101	Mathematical Foundations of Computer Science	3	1	0	4
YCA102	Computer Organization	3	0	0	3
YCA103	Problem Solving and Programming in C	3	1	0	4
YCA104	Business Process Re-engineering and Organization Behaviors	3	0	0	3
YCA105	Accounting and Financial Management	3	1	0	4
Practical					
YCA106	Programming Lab	0	0	4	2
YCA107	Web design and package lab	0	0	4	2

Total Hours:26

Total Credits:22

SEMESTER II

Code No.	Course Title	L	T	P	C
Theory					
YCA201	Computer Networks	3	1	0	4
YCA202	Operating Systems	3	1	0	4
YCA203	Database Management Systems	3	1	0	4
YCA204	Object Oriented Programming in C++	3	0	0	3
YCA205	Data Structures	3	1	0	4
Practical					
YCA206	Programming in C++ & DBMS Lab	0	0	4	2
YCA207	Data Structures Lab	0	0	4	2

Total Hours:27

Total Credits:23



SEMESTER III

Code No.	Course Title	L	T	P	C
Theory					
YCA301	Design and Analysis of Algorithms	3	1	0	4
YCA302	Advanced Java Programming	3	1	0	4
YCA303	Software Engineering	3	0	0	3
YCA304	Computer Graphics and Multimedia	3	0	0	3
YCA305	Microprocessor and its Applications	3	1	0	4
Practical					
YCA306	Advanced Java Programming Lab	0	0	4	2
YCA307	Graphics and Multimedia Lab	0	0	4	2

Total Hours:26

Total Credits:22

SEMESTER IV

Code No.	Course Title	L	T	P	C
Theory					
YCA401	Object Oriented Analysis and Design	3	1	0	4
YCA402	Unix and Network Programming	3	1	0	4
YCA403	Visual Programming	3	1	0	4
YCA404	Social Engineering	3	0	0	3
YCAE**	Elective – I	3	0	0	3
Practical					
YCA406	Unix Lab	0	0	4	2
YCA407	Visual Programming Lab	0	0	4	2

Total Hours:26

Total Credits:22

SEMESTER V

Code No.	Course Title	L	T	P	C
Theory					
YCA501	XML and Web Services	3	1	0	4
YCA502	Software Project Management Practice	3	1	0	4
YCA503	Entrepreneurship Development	3	0	0	3
YCAE**	Elective II	3	0	0	3
YCAE**	Elective III	3	0	0	3
Practical					
YCA506	XML Web Services and Open source	0	0	4	2
YCA507	Software design and development Lab	0	0	4	2

Total Hours:25

Total Credits:21

SEMESTER VI

Code No.	Course Title	L	T	P	C
Theory					
YCA601	Project Work	0	0	26	13

Total Hours:26

Total Credits:13

Total Credits - 123

LIST OF ELECTIVES

Code No.	Course Title	L	T	P	C
YCAE51	Resource Management Techniques	3	0	0	3
YCAE52	Management Information Systems	3	0	0	3
YCAE53	Human Resources Management	3	0	0	3
YCAE54	Enterprise Resource Planning	3	0	0	3
YCAE55	Mobile Computing	3	0	0	3
YCAE56	Cryptography	3	0	0	3
YCAE57	Internet Protocols	3	0	0	3
YCAE58	Image Processing and computer Vision	3	0	0	3
YCAE59	Parallel & distributed computing	3	0	0	3
YCAE60	Numerical methods and Statistics	3	0	0	3
YCAE61	Data Warehousing and Data Mining	3	0	0	3
YCAE62	Neural and Fuzzy Logic Applications	3	0	0	3
YCAE63	Total Quality Management	3	0	0	3
YCAE64	Information System Security	3	0	0	3
YCAE65	Software Testing	3	0	0	3
YCAE66	Software Ethics	3	0	0	3
YCAE67	e-Business	3	0	0	3
YCAE68	Outsourcing	3	0	0	3
YCAE69	Soft Computing	3	0	0	3

- L** → LECTURE HOURS
- T** → TUTORIAL HOURS
- P** → PRACTICAL HOURS
- C** → CREDITS HOURS