

**M.E. COMPUTER SCIENCE AND ENGINEERING
(TWO YEAR FULL TIME)
CURRICULUM 2009
SEMESTER I**

Code No	Course Title	L	T	P	C
YCS101	Theory of Computation	3	1	0	4
YCS102	Advanced Computer Architecture	4	0	0	4
YCS103	Advanced Data Structures and Algorithms	3	1	0	4
YCS104	Advanced Operating System	4	0	0	4
YCS1**	Elective I	3	0	0	3
YCS1**	Elective II	3	0	0	3
YCS107	Advanced Data Structures and Algorithms Lab	0	0	4	2
YCS108	Advanced Operating System Lab	0	0	4	2

Total Hours:30

Total Credits:26

SEMESTER II

Code No	Course Title	L	T	P	C
YCS201	Advanced Database System	4	0	0	4
YCS202	Software Engineering	4	0	0	4
YCS203	Network Protocols	4	0	0	4
YCS204	Combinatorics and Graph Theory	3	1	0	4
YCS2**	Elective III	3	0	0	3
YCS2**	Elective IV	3	0	0	3
YCS207	Advanced Database System Lab	0	0	4	2
YCS208	CASE Tools Lab	0	0	4	2

Total Hours: 30

Total Credits:26

SEMESTER III

Code No	Course Title	L	T	P	C
YCS301	Project Work (Phase I)	-	-	24	12

SEMESTER IV

Code No	Course Title	L	T	P	C
YCS301	Project Work (Phase II)	-	-	24	12

Over all Credits:76

LIST OF ELECTIVES

SEMESTER I

**Elective Code	Course Title	L	T	P	C
RESEARCH					
51	Bio informatics	3	0	0	3
52	Image Processing	3	0	0	3
53	Artificial Intelligence	3	0	0	3
54	Fuzzy Logic and Neural Networks	3	0	0	3
NETWORKS					
55	Adhoc Networks	3	0	0	3
56	Network Security	3	0	0	3
57	Network Management	3	0	0	3
DATABASE					
58	Data Warehousing and Data Mining	3	0	0	3
59	Object Oriented System Analysis And Design	3	0	0	3
60	SAP	3	0	0	3
SOFTWARE ENGINEERING					
61	Software Project Management	3	0	0	3
62	Software Reuse	3	0	0	3
63	Software Design	3	0	0	3
64	Software Testing	3	0	0	3
65	Software Documentation	3	0	0	3

SEMESTER II

**Elective Code	Course Title	L	T	P	C
RESEARCH					
66	Robotics	3	0	0	3
67	Nano Technology	3	0	0	3
68	Agent Technology	3	0	0	3
69	Embedded Systems	3	0	0	3
NETWORKS					
70	Cryptography and Steganography	3	0	0	3
71	Next Generation IP Networks	3	0	0	3
72	Wireless Networks	3	0	0	3
DATABASE					
73	Web mining	3	0	0	3
74	Component Based Technology	3	0	0	3
75	Knowledge based Decision Support systems	3	0	0	3
SOFTWARE ENGINEERING					
76	Software Quality Assurance	3	0	0	3
77	Object Oriented Reuse	3	0	0	3
78	Software Agents	3	0	0	3
79	Software Re-Engineering	3	0	0	3
80	Software Reliability and Metrics	3	0	0	3

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