SCHOOL
OF
INFORMATION AND COMMUNICATION TECHNOLOGY

COURSE STURCTURE

M. TECH.

COMPUTER SCIENCE

GAUTAM BUDDHA UNIVERSITY
GAUTAM BUDH NAGAR, GREATER NOIDA
2013-2014

M. Tech. CSE

SEMESTER – I

Sr. No.	Courses Code	Courses	L-T-P	Credits
1	CS521	Advanced Data Base Management System	3-1-0	4
2	CS523	Advanced Computer Architecture	3-1-0	4
3	CS525	Intelligent System Design	3-1-0	4
4	CS527	Research Techniques in ICT	3-0-0	3
5	SS101	Human Values & Buddhist Ethics	2-0-0	2
6	CS581	Advanced Data Base Management System Lab	0-0-3	2
7	CS585	Intelligent System Design Lab	0-0-3	2
8	GP521	General Proficiency	------	1
			Total Credits	22
			Total Contact Hours 14-3-6 =	23

SEMESTER – II

Sr. No.	Courses Code	Courses	L-T-P	Credits
1	MA402	Simulation & Modeling	3-1-0	4
2	CS532	Advanced Software Engineering	3-0-0	3
3	CS574	Advanced Data Structure and Algorithm Design	3-0-0	3
4	CS576	Advanced Operating Systems	3-0-0	3
5		**Elective-1**	3-0-0	3
6	CS582	Advanced Data Structure & Algorithm Design Lab	0-0-3	2
7	CS592	Major Project	0-0-10	5
8	GP532	General Proficiency	------	1
			Total Credits	24
			Total Contact Hours 15-1-13 =	29

Electives (1)		
1	CS578	Cloud Computing
2	EC531	Advanced Digital Communication Systems
3	CS586	AI and Neural Networks
4	CS588	Advanced Internet Technology
5	CS590	High Speed Networks
6	CS564	Soft Computing Techniques
7	CS592	Bioinformatics
8	CS694	Advanced Java Programming

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SEMESTER III

Sr. No.	Courses Code	Courses	L-T-P	Credits
1	CS671	Image Processing and Pattern Recognition	3-0-0	3
2	CS673	Computer Networks and Distributed Systems	3-0-0	3
3		**Electives - 2**	3-0-0	3
4		**Electives - 3**	3-0-0	3
5	CS681	Computer Networks and Distributed Systems Lab	0-0-3	2
6	CS691	Dissertation Part - I	0-0-14	7
7	GP631	General Proficiency	------	1
		Total Credits		**22**
		Total Contact Hours	**12-0-17 =**	**29**

Electives (2 & 3)		
1	CS641/CS545	Aspect-Oriented Software Engineering
2	CS675	Multimedia and Computer Graphics
3	CS677	Information Theory and Coding
4	CS679	Fuzzy Set Theory
5	CS693	Parallel Computing
6	CS695	Computer Security
7	EC635	Mobile Computing
8	CS699	Oracle 9i
9	CS697	Computer Security

SEMESTER IV

Sr. No.	Courses Code	Courses	L-T-P	Credits
1	CS690	Dissertation Part - II	------	21
2	GP632	General Proficiency	------	1
		Total Credits		**22**

GRAND TOTAL CREDITS = 90