REVISED COURSE STRUCTURE

B.Tech. (Computer Science & Engineering)
(6 Semesters)

FIRST SEMESTER					
THEORETICAL		L	T	P	C
CSEB101	COMPUTATIONAL MATHEMATICS -I	2	1	0	3
CSEB102	BASIC ELECTRONICS	2	0	0	2
CSEB103	DATA STRUCTURE	3	1	0	4
CSEB104	COMMUNICATION SKILL	2	0	0	2
CSEB105	SYSTEMS PROGRAMMING	2	1	0	3
CSEB106	DIGITAL LOGIC	2	1	0	3
PRACTICAL					
CSEB107(P)	GROUP A: ENGINEERING DRAWING & WORKSHOP	0	0	3	2
CSEB108(P)	GROUP B: SYSTEM PROGRAMMING LABORATORY	0	0	2	2
CSEB108(P)	BASIC ELECTRONICS LABORATORY	0	0	3	2
CSEB109(P)	DATA STRUCTURE LABORATORY	0	0	3	2
CSEB110(P)	DIGITAL LOGIC LABORATORY	0	0	3	2
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SECOND SEMESTER					
THEORETICAL					
CSEB201	COMPUTATIONAL MATHEMATICS - II	2	1	0	3
CSEB202	COMPUTER ORGANIZATION	2	1	0	3
CSEB203	DATA COMMUNICATIONS	2	1	0	3
CSEB204	OPERATING SYSTEMS	3	1	0	4
CSEB205	MICROPROCESSOR & MICROCONTROLLER	2	1	0	3
CSEB206	FORMAL LANGUAGE & AUTOMATA THEORY	2	1	0	3
PRACTICAL					
CSEB207(P)	OPERATING SYSTEM LABORATORY	0	0	3	2
CSEB208(P)	MICROPROCESSOR LABORATORY	0	0	3	2
CSEB209(P)	DATA COMMUNICATIONS LABORATORY	0	0	3	2
CSEB210(P)	SOFTWARE LABORATORY	0	0	3	2
					27
THIRD SEMESTER					
THEORETICAL					
CSEB301	SOFTWARE ENGINEERING –I	3	1	0	4
CSEB302	COMPUTER ARCHITECTURE	3	1	0	4
CSEB303	COMPILER DESIGN	2	1	0	3
CSEB304	DESIGN & ANALYSIS OF ALGORITHMS	3	1	0	4
CSEB305	DATABASE MANAGEMENT SYSTEMS	3	1	0	4
CSEB306	OBJECT ORIENTED SYSTEM	2	1	0	3
PRACTICAL					
CSEB307(P)	SOFTWARE ENGINEERING LABORATORY	0	0	3	2
CSEB308(P)	SYSTEM DESIGN LABORATORY	0	0	3	2
CSEB309(P)	OBJECT ORIENTED SYSTEM LABORATORY	0	0	3	2
CSEB310(P)	DATABASE MANAGEMENT SYSTEMS	0	0	3	2
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FOURTH SEMESTER					
THEORETICAL					
CSEB401	SOFTWARE ENGINEERING II	3	1	0	4
CSEB402	COMPUTER NETWORKS	3	1	0	4
CSEB403	ARTIFICIAL INTELLIGENCE	2	1	0	3
CSEB404	OPTIMIZATION TECHNIQUES	2	1	0	3
CSEB405	COMPUTER GRAPHICS	3	0	0	3
CSEB406	ECONOMICS	2	0	0	2
PRACTICAL					
CSEB407(P)	SOFTWARE ENGINEERING LABORATORY - II	0	0	3	2
CSEB408(P)	COMPUTER NETWORKS LABORATORY	0	0	3	2
CSEB409(P)	ARTIFICIAL INTELLIGENCE LABORATORY	0	0	3	2
CSEB410(P)	COMPUTER GRAPHICS LABORATORY	0	0	3	2
					27
FIFTH SEMESTER					
THEORETICAL					
CSEB501	BUSINESS PROCESS LOGIC	2	0	0	2
CSEB502	MULTIMEDIA TECHNOLOGY	2	0	0	2
CSEB503	INTERNET TECHNOLOGY	3	0	0	3
CSEB504	VLSI TECHNOLOGY	3	1	0	4
CSEB505	SOFT COMPUTING	3	1	0	4
CSEB506	ELECTIVE –I	3	0	0	3
PRACTICAL					
CSEB507(P)	MULTIMEDIA TECHNOLOGY LABORATORY	0	0	3	2
CSEB508(P)	INTERNET TECHNOLOGY LABORATORY	0	0	6	4
CSEB509(P)	SOFT COMPUTING LABORATORY	0	0	3	2
CSEB510(P)	TERM PAPER –I	0	2	0	2
					26
SIXTH SEMESTER					
THEORETICAL					
CSEB601	INDUSTRIAL MANAGEMENT	2	0	0	2
CSEB602	DIGITAL SIGNAL PROCESSING	3	1	0	4
CSEB603	ELECTIVE-II	3	0	0	3
CSEB604	ELECTIVE-III	3	0	0	3
PRACTICAL					
CSEB605(P)	TERM PAPER-II	0	2	0	2
CSEB606(P)	GENERAL VIVA	0	2	0	2
CSEB607(P)	PROJECT WORK	0	0	16	8
					24

Set of Elective Papers: (B.Tech.)

Elective-I:
    1. Distributed Systems
    2. Cryptography
    3. Fuzzy Systems
    4. Principles of Programming Language

Elective –III:
    1. Parallel Computing
    2. Cognitive Computing
    3. Information Security
    4. Computational Geometry

Elective-II:
    1. Embedded System
    2. Coding & Information Theory
    3. Neural Networks
    4. Modeling and Simulation