Subject Name	Subject Type	Subject Code	Subject Credit
Mathematics - I	Basic Science	2BS1101	4
Engineering Graphics	Engineering Science	2ES1101	4
Basic Electrical Engineering	Engineering Science	2ES1103	4
Basics of Web Technology	Engineering Science	2ES1109	4
IT Peripherals & Tools	Engineering Science	2ES1110	2
Seminar	Humanity and Social Science	2HS1102	1

SEMESTER II

Subject Name	Subject Type	Subject Code	Subject Credit
Mathematics - II	Basic Science	2BS1102	4
Physics	Basic Science	2BS1103	3
Communication Skills	Humanity and Social Science	2HS1101	3
Workshop Practice	Engineering Science	2ES1102	2
Programming for Problem Solving	Engineering Science	2ES1104	4
IT Workshop	Engineering Science	2ES1111	2

SEMESTER III

Subject Name	Subject Type	Subject Code	Subject Credit
DISCRETE MATHEMATICS & PROBABILITY	Basic Science	2BS3102	4
DIGITAL ELECTRONICS	Professional Core	2CEIT301	4
OBJECT ORIENTED PROGRAMMING	Professional Core	2CEIT302	5
DATABASE MANAGEMENT SYSTEM	Professional Core	2CEIT303	4
DATA STRUCTURES	Professional Core	2CEIT304	5

SEMESTER IV

Subject Name	Subject Type	Subject Code	Subject Credit
MATHEMATICS FOR COMPUTER ENGINEERING & INFORMATION TECHNOLOGY	Basic Science	2BS4101	4
OPERATING SYSTEMS	Professional Core	2CEIT401	4
DESIGN AND ANALYSIS OF ALGORITHMS	Professional Core	2CEIT402	4
PROGRAMMING WITH PYTHON	Professional Core	2CEIT404	4
NOSQL DATABASE SYSTEMS	Professional Core	2CEIT405	1
SOFTWARE ENGINEERING AND PROJECT MANAGEMENT	Professional Core	2CEIT406	4
DESIGN THINKING	Professional Core	2CEIT407	1

SEMESTER V

Subject Name	Subject Type	Subject Code	Subject Credit
COMPUTER ARCHITECTURE & ORGANIZATION	Professional Core	2CEIT501	4
SOFTWARE ENGINEERING	Professional Core	2CEIT502	4
COMPUTER NETWORKS	Professional Core	2CEIT503	5
CAPSTONE PROJECT-I	Professional Core	2CEIT504	1
ADVANCED JAVA	Professional Elective	2CEIT5PE1	4
COMPUTER GRAPHICS & VISUALIZATION	Professional Elective	2CEIT5PE2	4
QUANTUM COMPUTING	Professional Elective	2CEIT5PE3	4
SOFTWARE PACKAGES	Professional Elective	2CEIT5PE4	4
MOBILE APPLICATION DEVELOPMENT	Professional Elective	2CEIT5PE5	4
HUMAN COMPUTER INTERACTION	Professional Elective	2CEIT5PE6	4
INNOVATION & ENTREPRENEURSHIP	Professional Elective	2CEIT5PE7	4
ADVANCED PROGRAMMING WITH .NET	Professional Elective	2CEIT5PE8	4
Aptitude Skill Building - 1	Humanity and Social Science	2HS5101	1

SEMESTER VI

Subject Name	Subject Type	Subject Code	Subject Credit
THEORY OF COMPUTATION	Professional Core	2CEIT601	4
ARTIFICIAL INTELLIGENCE	Professional Core	2CEIT602	4
CLOUD COMPUTING	Professional Core	2CEIT603	4
USER EXPERIENCE DESIGN	Professional Core	2CEIT604	1
CAPSTONE PROJECT-II	Professional Core	2CEIT605	1
WEB TECHNOLOGY	Professional Elective	2CEIT6PE1	4
SOFTWARE VALIDATION & TESTING	Professional Elective	2CEIT6PE2	4
CRYPTOGRAPHY AND NETWORK SECURITY	Professional Elective	2CEIT6PE3	4
DATA SCIENCES AND MACHINE LEARNING	Professional Elective	2CEIT6PE4	4
GAME DESIGN & DEVELOPMENT	Professional Elective	2CEIT6PE5	4
ROBOTICS	Professional Elective	2CEIT6PE6	4
ETHICAL HACKING	Professional Elective	2CEIT6PE7	4
IT INFRASTRUCTURE & MANAGEMENT	Professional Elective	2CEIT6PE8	4
INTERNET OF THINGS	Professional Elective	2CEIT6PE9	4
Aptitude Skill Building - II	Humanity and Social Science	2HS6101	1

SEMESTER VII

Subject Name	Subject Type	Subject Code	Subject Credit
COMPILER DESIGN	Professional Core	2CEIT701	4
BIG DATA ANALYTICS	Professional Core	2CEIT702	4
CAPSTONE PROJECT-III	Professional Core	2CEIT703	6
DEEP LEARNING	Professional Elective	2CEIT78PE1	4
BLOCKCHAIN TECHNOLOGIES	Professional Elective	2CEIT78PE2	4
FUNDAMENTALS OF IMAGE PROCESSING	Professional Elective	2CEIT78PE3	4
MOBILE COMPUTING	Professional Elective	2CEIT78PE4	4
SEARCH ENGINE OPTIMIZATION	Professional Elective	2CEIT78PE5	4
VIRTUAL REALITY	Professional Elective	2CEIT78PE6	4
NATURAL LANGUAGE PROCESSING	Professional Elective	2CEIT78PE7	4
FORENSICS & CYBER LAW	Professional Elective	2CEIT78PE8	4
ADVANCED ALGORITHMS	Professional Elective	2CEIT78PE9	4
FOG COMPUTING	Professional Elective	2CEIT78PE10	4

Subject Name	Subject Type	Subject Code	Subject Credit
FAULT TOLERANT SYSTEMS	Professional Elective	2CEIT78PE11	4
HIGH PERFORMANCE COMPUTING	Professional Elective	2CEIT78PE12	4
COMPUTER VISION	Professional Elective	2CEIT78PE13	4
SOFT SKILLS	Professional Core	2CEIT704	1

SEMESTER VIII

Subject Name	Subject Type	Subject Code	Subject Credit
Teaching Scheme	Open	A	-
Industrial Training	Professional Core	2CEIT801	20
MAJOR PROJECT	Professional Core	2CEIT802	12