SEMESTER I

Subject Name	Subject Type	Subject Code	Subject Credit
MATHEMATICS - I	Open	1BS121	4
OPEN SOURCE TECHNOLOGY	Open	1ES105	2
COMPUTER PROGRAMMING - I	Core	1ES106	5
ENVIRONMENTAL STUDIES AND DISASTER MANAGEMENT	Open	1ES101	2
BASIC ELECTRICAL & ELECTRONICS ENGINEERING	Open	1ES108	4
COMMUNICATIVE ENGLISH-1	Open	1HS121	4
COMPUTER WORKSHOP	Open	1ES107	2

SEMESTER II

Subject Name	Subject Type	Subject Code	Subject Credit
MATHEMATICS-II	Open	1BS221	4
COMPUTER PROGRAMMING - II	Core	1ES204	5
PHYSICS	Open	1BS123	4
WEB TECHNOLOGY	Core	1ES205	2
FUNDAMENTALS OF DIGITAL ELECTRONICS	Open	1ES206	4
COMMUNICATIVE ENGLISH-II	Open	1HS221	1

SEMESTER III

Subject Name	Subject Type	Subject Code	Subject Credit
Operating System	Open	1CE2301	4
Programming in C++	Core	1CE2302	5
Data Structure	Open	1CE2303	4
Database Management System	Open	1CE2304	4
Microprocessor Assembly Language Programming	Open	1CE2305	4

SEMESTER IV

Subject Name	Subject Type	Subject Code	Subject Credit
Advanced Database Management System	Open	1CE2401	4
Computer Network	Open	1CE2402	4
Fundamental of Software Design	Open	1CE2403	4
GUI Base Application Development	Core	1CE2404	5
Computer System Architecture	Open	1CE2405	3
Web Designing With CSS Framework	Core	1CE2406	1

SEMESTER V

Subject Name	Subject Type	Subject Code	Subject Credit
Computer Peripherals & Troubleshooting	Open	1CE2501	4
Network Security	Open	1IT2501	4
Python Programming	Core	1IT2502	2
Web programming Using PHP	Core	1CE2502	4
Java Programming	Elective	1CE2503	5
Data Mining & Warehousing	Elective	1CE2504	5
Network Management & Administration	Elective	1CE2505	5
Project -I	Open	1CE2506	2

SEMESTER VI

Subject Name	Subject Type	Subject Code	Subject Credit
Digital Marketing	Open	1CE2601	4
Cloud Computing	Open	1CE2602	5
Internet of Things	Open	1IT2601	2
Android Programming	Elective	1CE2603	5
Machine Learning	Elective	1CE2604	5
Project -II	Open	1CE2606	4
Linux Administration	Elective	1CE2605	5

SEMESTER VII

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 VIII

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
APPLICATION DEVELOPMENT TOOLS	Professional Core	2CEIT403	4
PROGRAMMING WITH PYTHON	Professional Core	2CEIT404	4
NoSQL Database System	Professional Core	2CEIT405	1

SEMESTER IX

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 I	Humanity and Social Science	2HS5101	1

SEMESTER X

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 XI

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
Soft Skills	Professional Core	2CEIT704	1

SEMESTER XII

Subject Name	Subject Type	Subject Code	Subject Credit
Industrial Training	Professional Core	2CEIT801	20
Major Project	Professional Core	2CEIT802	4