B.Tech Information Technology

SEMESTER III

08.301	Engineering Mathematics II
08.302	Problem Solving and Programming in C
08.303	Discrete Structures
08.304	Electronic Circuits
08.305	Digital System Design
08.306	Computer Organization
08.307	Electronic Circuits Lab
08.308	Programming Lab

SEMESTER IV

08.401	Engineering Mathematics III
08.402	Humanities
08.403	Microcontroller-based Design
08.404	Object Oriented Techniques
08.405	Data Structures and Algorithms
08.406	Database Design
08.407	Data Structures Lab
08.408	Object Oriented Programming Lab

SEMESTER V

08.501	Engineering Mathematics IV
08.502	Advanced Mathematics & Queuing Models
08.503	Theory of Computation
08.504	Systems Programming
08.505	Operating Systems
08.506	Data Communication
08.507	Digital Circuits Lab

SEMESTER VI

08.601	Compiler Design
08.602	Computer Networks
08.603	Software Architecture
08.604	Internet Technology
08.605	Computer Graphics
08.606	Embedded Systems
08.607	Internet Lab
08.608	Computer Graphics Lab

SEMESTER VII

08.701	Software Project Management
08.702	Internetworking
08.703	Cryptography
08.704	Web Applications Development
08.705	Elective I
08.706	Elective II
08.707	Computer Networks Lab
08.708	Seminar / Project Design

SEMESTER VIII

08.801	Mobile Computing
08.802	E-Commerce
08.803	E-Security
08.804	Software Testing
08.805	Elective III
08.806	Elective IV
08.807	Web Applications Lab
08.808	Project & Viva Voce

Elective I

A   Design and Analysis of Algorithms

B   Simulation and Modelling

C   Principles of Programming Languages

D   Communicative English & Technical Writing

Elective II

A   Computer Peripherals and Interfacing

B   Optimization Techniques

C   Data Mining Techniques

Elective III

A   Advanced Microprocessors

B   Network Programming

C   Graph Theory

Elective IV

Soft Computing,

Distributed Systems,

Web Services,