

## **Computer Science & Engineering**

### **III Semester**

Engg. Mathematics -III  
Electronic Circuits  
Logic Design  
Discrete Mathematical Structures  
Data Structure with C  
Unix and shell Programming  
Data Structures Lab  
Electronic Circuits & Logic Design Lab.

### **IV Semester**

Engg. Mathematics – IV  
Graph Theory and Combinatorics  
Analysis and Design of Algorithms  
Object Oriented Programming with C++  
Microprocessors  
Computer Organization  
Object Oriented Programming Lab.  
Microprocessors Lab.

### **V Semester**

Software Engineering  
Systems Software  
Operating Systems  
Database Management Systems  
Computer Networks-I  
Formal Languages and Automata Theory  
Database Applications Laboratory  
Algorithms Laboratory

### **VI Semester**

Management and Entrepreneurship  
Unix systems Programming  
Compiler Design  
Computer Networks –II  
Computer Graphics and Visualization  
Elective I ( Group-A)  
Computer Graphics and Visualization Laboratory  
Systems Software and Compiler Design Laboratory  
Operations Research  
Signals and Systems  
Data Compression

### **VII Semester**

Object-Oriented Modeling and Design  
Software Architectures  
Programming the Web  
Embedded Computing System  
Networks Laboratory  
Web Programming Laboratory

### **Elective II (Group –B)**

Advanced DBMS  
Digital Signal Processing  
Java and J2EE  
Multimedia Computing  
Data mining  
Neural Networks

**Elective –III (Group –C)**

C# Programming and .Net  
Digital Image Processing  
Game Theory  
Artificial Intelligence  
VLSI Design and Algorithms  
Fuzzy Logic

**VIII Semester**

Advanced Computer Architectures  
System Modeling and Simulation  
Project Work  
Seminar

**Elective IV – Group D**

Mobile Computing  
Web 2.0 & Rich Internet Application  
Storage Area Networks  
Networks Management Systems  
Information and Network Security  
Microcontroller-Based Systems

**Elective V- Group E**

Ad-hoc Networks

Software Testing  
ARM Based System Design  
Services Oriented Architecture  
Grid Computing  
Programming Languages.