

Syllabus for TO-B (3)

Programming Languages

- Programming in C
- Programming in C++
- Programming in Java
- Object Oriented Programming

Web Technologies

- HTML Common tags
- Client-side Scripting
- World Wide Web (WWW)
- Cloud Computing and IoT

Database Management Systems:

- Database System Concepts and Architecture
- Data Modeling
- SQL
- Normalization for Relational Databases
- Enhanced Data Models

Server Administration

Software Engineering

- Software Process Models
- Software Requirements
- Software Design
- Software Quality
- Software Testing
- Software Configuration Management

Data Communication and Computer Networks

- Data Communication
- Computer Networks
- Network Models

System Software and Operating System

- Basics of Operating Systems
- CPU Scheduling
- Deadlocks
- Storage Management
- File and Input/output Systems
- Security
- Virtual Machines

Data Structures and Algorithms

- Data Structures
- Design Technique
- Graph Algorithms
- Advanced Algorithms