

# **Computer Science & Information Technology**

## **M.Tech –CSE**

**Eligibility: B.E/BTECH (CSE/IT/ECE), MCA, MSC-IT**

**Duration: 2 Years**

### **Course Structure**

#### **Semester-I**

- CSE 501: Algorithm Analysis & Design
- CSE 502: Advance Database Management System
- CSE-503: Operating System
- CSE-504: Computer Graphics & Animation
- CSE-505: RDBMS LAB
- CSE-506: Computer Graphics & Animation Lab

#### **Semester-II**

- CSE-601: Advance Computer Network
- CSE-602: Advance Internet Technology
- CSE-603: Computer Simulation & Modeling
- CSE-604: Electives-
  - I-Artificial Intelligence & Neural Network
  - II- Distributed & Parallel Computing
  - III- Data Compression & Image Processing
  - IV- Advance Software Engineering
- CSE-605: Advance Computer Network Lab
- CSE-606: Advance Internet Technology Lab

#### **Semester-III**

- CSE-701: Compiler Designing
- CSE-702: Multimedia Technology
- CSE-703: \* Electives-
  - I- Data Mining & Data Warehousing
  - II-Wireless & Mobile Computing
  - III- Network Security & Cryptography
  - IV Pattern Recognition
- CSE-704: Mini Project
- CSE-705: Multimedia Technology Lab
- CSE-706: Compiler Designing Lab

## **Semester –IV**

CSE-801: Dissertation

## **Bachelor of Computer Applications (BCA)**

**Eligibility: 10+2 with Mathematics**

**Duration: 3 Years**

### **Course Structure**

#### **First Year**

##### **Semester I**

**BCA-101: Communication Skills**

**BCA-102: Discrete Mathematics-I**

**BCA-103: Introduction to Computers and Office Automation Tools**

**BCA-104: Computer Programming in C**

**BCA-105: Computer Programming in C lab**

##### **Semester II**

**BCA-201: Business Accounting**

**BCA-202: Discrete Mathematics-II**

**BCA-203: Digital Electronics**

**BCA-204: Computer Programming in C++**

**BCA-205: Computer Programming in C++ lab**

#### **Second Year**

##### **Semester III**

**BCA-301: Principal of Management**

**BCA-302: Data Structures**

**BCA-303: System Analysis and Design**

**BCA-304: Operating System**

**BCA-305: Data Structures lab**

##### **Semester IV**

**BCA-401: Computer Networking & Hardware**

**BCA-402: Introduction to Computer Architecture**

**BCA-403: Software Engineering**

**BCA-404: Database Management System**

**BCA-405: Database Management System lab**

**Third Year**

**Semester V**

**BCA-501: Computer Graphics**

**BCA-502: Internet & Multimedia**

**BCA-503: Java Programming**

**BCA-504: Management Information System**

**BCA-505: Java Programming lab**

**Semester VI**

**BCA-601: Artificial Intelligence**

**BCA-602: E- Commerce**

**BCA-603: Project Work**

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**New courses**

**B.Tech Computer Science & Engineering (B.Tech –CSE)**

**Eligibility: 10+2 with Mathematics**

**Duration: 3 Years**

**Course Structure**

**First Year**

**SEMESTER – I**

**Mathematics – I**

**Engg. Physics**

**Basic Technical Communication – I**

**Basic Electrical Engineering**

**Fundamentals of Electronic Engineering**

**Environmental Studies**

**Lab-1 Physics**

**Lab-2 Basic Electrical Engineering**

**Lab-3 Engineering Drawing**

**Lab-4 Fundamentals of Electronic Engineering**

**Semester II**

**Mathematics – II**

**Engg. Chemistry**  
**Advanced Technical**  
**Communication – I**  
**Basic Mechanical**  
**Engineering**  
**Fundamentals Computer & Programming**  
**Environmental Studies**

**Lab-1 Chemistry**  
**Lab-2 Basic Mechanical Engineering**  
**Lab-3 Fundamentals Computer & Programming**  
**Lab-4 Workshop Practice**

### **B.Sc. -Information Technology (B.Sc.-IT)**

**Eligibility: 10+2 with Mathematics**

**Duration: 3 Years**

**Course Structure**

First Year

SEMESTER – I

BS101 : Fundamental of Computers and Information Technology

BS102 : Programming in ‘C’

BS103 : Mathematical Foundation

BS104 : Financial Accounting

BSP11 : Programming in ‘C’

BSP12 : PC Packages(Introduction to DOS & MS Office)

SEMESTER – II

BS201 : Data Structures

BS202 : Object Oriented Programming using ‘C++’

BS203 : System Analysis and Design

BS204 : Probability & Statistical Techniques

BSP21 : Data Structures

BSP22 : Object Oriented Programming using ‘C++’