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
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

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++’