



## **BACHELOR OF COMPUTER APPLICATION**

PROGRAMME GUIDE

## **PROGRAMME OVERVIEW**

The main objective of this programme is to inculcate among the students, the technical as well as the theoretical knowledge about the computer and its various applications in different fields. This programme is designed in such a way that students can have a detailed knowledge of subjects as well as the knowledge of IT related applications. Throughout this programme the students will go through the IT scenario its scope, career and the essentials of the IT world. The students will be given chance to interact with the corporate and other intellectuals in the field so as to enable them to grasp theoretical as well as technical knowledge from them and enhance their personality, skill and knowledge. The students will make use of 24 hours internet facility and video conferencing to interact with the people in the IT field and share their knowledge and experience

### **Programme Name**

Bachelor of Computer Application

### **Programme Code**

004

### **Degree Awarded**

Bachelor of Computer Application

### **Duration of the Programme**

3 years, 6 semesters

### **Total Credits**

161

### **Eligibility**

The minimum qualification required to be eligible to apply is a pass in the 10+2 examination or equivalent from any recognized Central or State Board with Mathematics / Business Mathematics as one of the core subjects. A course recognized as equivalent thereto by the University.

### **Medium of Instruction / Examination**

English

### **Study Campus**

#### **School of Graduate Studies**

# 34, 1st Cross, J C Road, Bangalore

### **Programme Timings**

08:15 am – 03:30 pm (Mon - Sat)

## Programme Advisor

Mr. Manjunath

**M:** +91 94484 11929

## Examinations & Assessments

1. Internal tests
2. Assignments
3. Seminar presentation
4. Class tests
5. Preparatory theory and Practical examination
6. End term theory and Practical examination

## Value Added Courses

The objective of Jain University is to provide integrated coaching to students that adds value to students' profile and can make them more employable. These value added courses are designed as per current industry standards. We offer two certificate courses. Each course spreads over two semesters and the students are evaluated at the end of each semester. Evaluation is based on internal assessment, seminars and reports.

- Certificate programme in Business Entrepreneurship & Management
- Certificate programme in Logistics & Supply chain Management

## Curriculum

### Semester 1

Language

English

Fundamentals of Mathematics

Computer Fundamentals

Programming in C

Computer Organisation & Microprocessor

**Learning Labs:** C programming

Microprocessor

Value Enhancing Course: Computer Fundamentals

### Semester 2

Language

English

Operating System

Probability & Statistics

Data Structures using C

Value Enhancing Course: Mind Management & Human Values

**Learning Labs:** Applied Maths

Data Structures

**Semester 3**

Software Engineering

Visual Programming

OOPS Using C++

Accounting & Financial Management

DBMS

Value Enhancing Course: Indian Constitution

**Learning Labs:** Visual Programming

OOPS with C++

**Semester 4**

RDBMS

Analysis & Design of Algorithm

E Com & Web Page Designing

Computer Graphics

Computer Network I

**Learning Labs:** RDBMS

Computer Graphics

**Value Enhancing Course:** Environmental Science

**Semester 5**

Java Programming

Computer Network II

UNIX Operating System

Internet & Information Technology

System Programming

**Learning Labs:** Java Programming

UNIX

**Semester 6**

OOAD & UML

Artificial Intelligence

Multimedia Technology

**Project 1:**

- Software Project Report
- Viva - Voce
- Internal Assessment

**Project 2:**

- Software Project Report
- Viva - Voce
- Internal Assessment

## **CAREER OPPORTUNITIES**

Students have a bright future in the IT field. They could take up jobs as programmers and grow to become project managers. A post graduation in the relevant field is always preferred.