



## **BACHELOR OF COMPUTER APPLICATION**

### **PROGRAMME GUIDE**

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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.

### **Degree Awarded**

**Bachelor of Computer Application**

### **Duration of the Programme**

3 years, 6 Semesters

### **Total Credits**

160 Credits

### **Career Enhancement Programmes (if any)**

The objective of Jain University is to provide integrated coaching to students that adds value to students' profile and can make them more employable. The career enhancement programmes offered at Jain University 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.

1. Diploma in Business Entrepreneurship & Management
2. Diploma in Logistics & Supply Chain Management
3. Web designing



## Eligibility Criteria

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.

## 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

Jayashree M Kudari

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## Curriculum Structure

### Semester 1

Language

English

Fundamentals of mathematics

Computer fundamentals & Organization

Programming in C

Introduction to Linux

### Learning Labs:

C Programming

Linux

**Semester 2**

Language

English

Operating System

Oops with C++

Data Structures using C

Mind Management & Human Values

**Learning Labs:**

Oops with C++

Data Structures

**Semester 3**

Software Engineering

Visual Programming Using .net

RDBMS

Computer Graphics

Accounts and Finance Management & Tally

Analysis and Design and Algorithm

Indian Constitution

**Learning Labs:**

VB.Net Lab

Computer Graphics Lab

**Semester 4**

RDBMS

Programming in java

Data Communication and Network

OOAD and UML

Data Warehousing and Data Mining

Environmental Science

**Learning Labs:**

RDBMS lab

Java lab

**Semester 5**

UNIX Shell Programming

Web a Programming

Business Analytics

Microprocessor

Computer Architecture

Personality development and communication

**Learning Labs:**

UNIX shell Programming lab

Web Programming lab

**Semester 6**

Asp.net Technology

Artificial Intelligence

- ASP.NET LAB

**Project**

- Software Project Report

- Viva - Voce

- Internal Assessment

### **Assessment Criteria**

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

### **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.