

# BCA

## Bachelor of Computer Application

The Bachelor of Computer Application (BCA) program at Yeti College, affiliated with Tribhuvan University is a professionally designed course aimed at developing skilled IT professionals. The program provides in-depth knowledge of programming, database management, software engineering, networking, and emerging technologies. With a strong focus on practical learning and innovation, it prepares graduates to excel in diverse roles within the rapidly evolving field of information technology.

### Why BCA at Yeti?

Consulting companies belong to commercial companies, which mainly serve enterprises and entrepreneurs, engage in soft science research and development, and provide specific services by using specialized knowledge and experience and mental labor.



### Career and Scope

#### Software Development



Create desktop, web, or mobile applications for businesses, startups, or tech giants.

#### Web & App Development



Design and develop interactive websites and apps for clients or your own ventures.

#### Data Analytics



Analyze and interpret business data to support decision-making processes.

#### Cybersecurity



Protect data, networks, and systems from hacking, viruses, and other cyber threats.

#### Cloud Computing & AI



Work on cutting-edge technologies like artificial intelligence, machine learning, and cloud services.

#### Entrepreneurship



Use your technical expertise to start your own IT business, app, or digital service platform.

# BCA

# Bachelor of (Computer Application)

## Course Description

Tribhuvan University established in 1959, is Nepal's oldest and largest institution of higher education that is widely recognized for its academic excellence, innovation and nationwide reach through its constituent and affiliated colleges. Among its diverse programs, the Bachelor of Computer Applications (BCA) stands out as a flagship course in the field of Information Technology. This four-year with eight-semester degree is designed to equip students with a strong foundation in computer science, programming, database management, networking, software engineering and web technologies, while also fostering problem-solving, analytical thinking and communication skills. TU ensures that BCA students gain both theoretical knowledge and practical experience through lab work, real-world projects and internships, preparing them for successful careers in IT, software development and related industries or for advanced studies in technology.

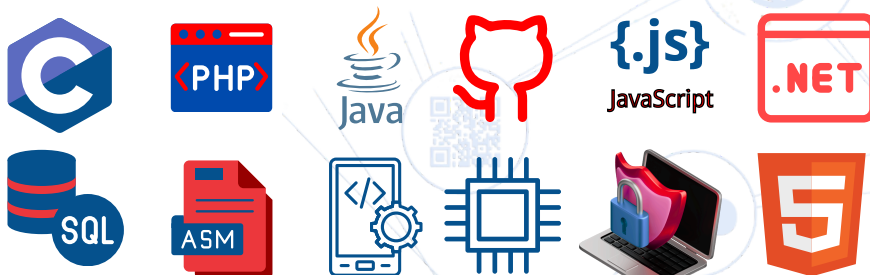
**Duration of the Program:** - 4 years (8 Semesters);

**With total credit:** - 125

**Intake:** - March, July , November



## Pursue BCA and Gain Access to These In-Demand Fields



## # LIST OF ELECTIVE SUBJECTS

### For semester seventh

- Image Processing
- Advance DOT Net Technology
- Software Project Management
- Database Administration
- Network Administration
- E Governance
- Artificial Intelligence

### For semester Eights

- Database Programming
- Geographic Information System
- Data Analysis and Visualization
- Machine Learning
- Multimedia System
- Knowledge Engineering
- Information Security
- Internet of Things

## List of Courses/Modules Offered in BCA

### First Semester

- Computer Fundamentals & Application
- Society & Technology
- English I
- Mathematics I
- Digital Logics

### Second Semester

- Microprocessor & Computer Architecture
- C Programming
- Financial Accounting
- English II
- Mathematics II

### Third Semester

- Data Structure & Algorithm
- Probability & Statistics
- System Analysis and Design
- Object Oriented Programming in JAVA
- Web Technology

### Fourth Semester

- Operating System
- Numerical Methods
- Software Engineering
- Scripting Language
- Database Management System
- Project I

### Fifth Semester

- MIS & e-Business
- DOT Net Technology
- Computer Networking
- Introduction to Management
- Computer Graphics & Animation

### Sixth Semester

- Mobile Programming
- Distributed System
- Applied Economics
- Advanced JAVA Programming
- Networking Programming
- Project II

### Seventh Semester

- Cyber Law & Professional Ethics
- Cloud Computing
- Internship
- Elective I, II

### Eighth Semester

- Operational Research
- Project III
- Elective III, IV, V

## Contact Us

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