



योग: कर्मसु कौशलम्

**Darshan**  
UNIVERSITY

**BCA**  
BACHELOR OF COMPUTER APPLICATIONS



A  
**technical**  
**under-graduate**  
program  
designed to impart  
**holistic education** to broaden  
the **technical & ethical**  
dimension

## What is BCA?

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Bachelor of Computer Applications (BCA) is a three-year undergraduate technical professional program that aims to groom the software development skills of the student. It imparts extensive knowledge in Computer Fundamentals, Programming Languages, Database Systems, Information Security, and Web Development. BCA can be a better choice for candidates who wish to pursue their future in the Information Technology field.

## The BCA Advantage

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### New Age Course

The BCA curriculum is designed, keeping in mind the rapid progress in the technological world. The aspiring specialists in Computer Applications are offered the required fundamental base to become a potential winner of the race. If one wishes to stay ahead in the highly competitive market, then BCA is right choice for him/her.



### Enormous Career Opportunities

BCA provides the students with theoretical knowledge and practical experience that enable them for various job roles. BCA degree help students to get placed in top companies. Students can also pursue higher education in the segment to achieve elevated positions in the future.



### Stepping Stone for MCA

BCA graduates can easily opt for MCA to explore a better and a wide range of career opportunities. BCA is the fundamental level of the MCA degree. Students will get advanced knowledge and efficient training in this field to tackle the challenges of the professional world.



### Exciting Future

You have multiple options after excelling in the program. There are enormous placement offers from the best Indian and Multinational companies. Various opportunities are available for higher studies from the best universities in India or abroad. You may also opt for your start-up.



### Best Choice for Girls

It is the best and most convenient option for girls as, Soft Branch/Office Work Only, Gender Free Job, Local to Global Job, i.e., Rajkot to USA, Flexible Job Timings, Five days a Week, Work from Home, Handsome Pay & Tremendous Salary Growth, opportunity in Teaching Job, Good Opportunity to settle in Foreign Countries.

## Job Roles After BCA

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- Software Developer
- Web Developer
- Mobile App Developer
- UI/UX Designer
- Web Designer
- Software Tester
- Quality Assurance
- Database Engineer
- BDE / BDA
- Network Engineer
- Hardware Engineer
- Game Developer

# BCA @ Darshan University

- Highly Qualified, Well Experienced, Industry Linked, Dedicated Faculties.
- A Strong theoretical foundation for crystal clear fundamentals.
- Focus on project-based learning with applications of technologies in real life.
- Exposure to cutting-edge technologies through seminars and workshops.
- Inter-disciplinary, management and soft skill courses for holistic learning.
- Earn While You Learn program transforms a student into the entrepreneur.
- 85% Placement track record by School of Computer Science since 2013.

## IT Infrastructure

10+

HP & IBM High  
End Servers

1000+

HP & Lenovo  
Computers

iLab

Apple App  
Development Lab  
iMac, iPad, iPhone

aLab

Android App  
Development Lab  
Lenovo All-in-One

IoT Lab

Raspberry Pi,  
Arduino Sp &  
Sensor Kits

## Syllabus

### Semester-1

- Office Automation Tools
- Programming using C
- Disaster Management
- Communication Skills
- Mathematics - I
- Basics of Accounting

### Semester-2

- Database Management System - I
- Digital Computer Fundamentals
- Object Oriented Programming using Java
- Web Designing
- Mathematics - II

### Semester-3

- Computer Network
- Data Structure
- Database Management System - II
- Web Programming
- Cyber Security
- Internet of Things
- Operating System Concepts

### Semester-4

- Python Programming
- Software Engineering
- UI/UX Design
- Project Management Tools
- Elective - I

### Semester-5

- Mobile Application Development using Flutter
- Software Quality Assurance and Testing
- Elective - II
- Elective - III
- Elective - IV
- Open Elective - I

### Semester-6

- Project

### Electives

Content Writing for BDE, UI/UX Designing, Algorithm, Angular, Adv. Java, ASP.Net, CG, Blockchain, IoT, Cyber Security, MIS, COA



## Key Faculties



### Dr. Gopi B. Sanghani

Dean, School of Computer Science  
Ph.D. (Machine Learning), M.E. (C.E.)  
22 Years Experience

Dr. Gopi Sanghani has completed B.E. in Computer Engineering from DDIT Nadiad, M.E.(CE) from BVM Vallabh Vidyanagar and Ph.D. from Nirma University in the field of Text Mining using Machine Learning Techniques. She has contributed to executing various academic and administrative strategies to achieve departmental goals and initiatives. She has guided various research projects at both Under Graduate and Post Graduate Levels. She has published several International Conference and Journal Papers in the domain of Machine Learning & AI.

She successfully coordinated several workshops and training programs for students and faculties.



### Dr. Nilesh Gambhava

Ph.D. (Evolutionary Computation)  
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Machine Learning, Programming



### Dr. Pradyumansinh Jadeja

Ph.D. (Machine Learning)  
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Web Mining, ASP.NET, MVC



### Maulik Trivedi

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Wireless Network, Mobile Computing



### Dixita Kagathara

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Compiler Design, Programming



### Firoz Sherasiya

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Database Management System



### Rupesh Vaishnav

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Algorithms

## Key Faculties



### Swati Sharma

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- 👍 Ad-hoc Network, Java



### Arjun Bala

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### Mayur Padia

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- 👍 .Net, Database Management System



### Ashok Badresiya

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### Umesh Thoriya

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- 👍 Image Processing



### Jayesh Vagadiya

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- 👍 iOS Programming, Java



### Krunal Vyas

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- 👍 Digital Electronics, Micro-processor



### Raj Gondaliya

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### Mehul Bhundiya

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### Jay Dhamsaniya

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## Key Faculties



### Vaseem Ghada

- Ph.D. (Pursuing), M.Tech. (ICT)
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- Data Mining, Mobile Adhoc Network



### Hemang Chath

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- Database Management System, .Net



### Vishal Kansagara

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- COA, Semantic Web



### Shruti Maniar

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- Data Structure, ML and AI



### Dharmik Vasiyani

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- Data Mining, Java



### Madhuresh Fichadiya

- B.E. (C.E.)
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- ASP.NET, C, C++



### Bhushan Joshi

- M.E. (Embedded Systems)
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- IoT, Embedded System Design



### Dr. Sharon Mohtra

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- 20 Years Experience
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- C, Java, Python



### Devangi Kotak

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- C, Java



### Ekta Baldha

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- C, Data Structure



### Dolly Bharvada

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- Digital Electronics



### Kishan Jogi

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- Electronics



## Lab Facilities



## Apps, Software & Website Development Center (ASWDC)



- ASWDC is established by School of Computer Science. Students are trained in selected programming languages using latest cutting edge technology. Students develop industry standard applications & experience professional environment under the guidance of experts.
- ASWDC also acts as an Entrepreneur Development Cell (EDC) where ideas of students are nurtured, cultivated and transformed into real world applications which are beneficial to the society.
- 105+ Android Apps, 50+ iPhone Apps, 40+ Websites are professionally developed by the students and published on Google Play Store, Apple App Store, etc. These apps are integrated with Google AdMob and Google AdSense for the monetisation purpose. Students earn handsome money through this initiative.

## Top Recruiters



## Scan QR Codes



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Computer Science



Computer  
Labs



Google  
Play Store



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App Store



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Video



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### University Campus

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### Counseling Centre

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