

# Bachelor in Computer Application

BCA



Vision Group of Institutions

B.Tech. Diploma BBA BCA MBA

Campus: Kanpur Campus: Hathipur, Mahrajpur,  
Off NH2, Kanpur- 209402





# **Vision College of Management**

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## **MBA | BBA | BCA**

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# Program Overview

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The Bachelor of Computer Application (BCA) program offered by Vision College of Management (VCM) , affiliated with Chhatrapati Shahu Ji Maharaj(CSJM) University, Kanpur, provides a strong foundation in computer science and applications. The program covers a wide range of topics, including programming languages, data structures, algorithms, computer networks, and machine learning techniques. It also includes practical training in computer technologies and AI and machine learning tools.

On completion of the program, students receive a specialized BCA degree recognized worldwide by leading employers and academic institutions for its excellence in computer science and applications.

# Program Highlights

VCM's BCA program offers a comprehensive understanding of computer applications and their practical implementation. Students gain knowledge in programming languages, data structures, algorithms, computer networks, and machine learning. The program focuses on practical learning and provides hands-on training in computer technologies, AI, and machine learning tools. Graduates are prepared for successful careers in industries like IT, software development, finance, and e-commerce.

The specialized BCA degree is globally recognized for excellence in computer applications, opening doors to diverse opportunities.



# What is BCA about?

At VCM, our Bachelor of Computer Application (BCA) program is all about providing students with a strong foundation in computer applications principles and practices. From programming languages and data structures to algorithms and computer networks, students gain comprehensive knowledge in various aspects of computer applications. But it doesn't stop there. Our curriculum goes beyond theory by emphasizing real-world applications and practical skills. We focus on developing leadership, communication, and critical thinking abilities to ensure our graduates are well-rounded professionals ready to excel in the ever-evolving field of computer applications.

BCA program will unlock your potential and take you on a rewarding journey in the world of technology.

A BCA degree equips you with the expertise to navigate the ever-evolving landscape of information technology, unlocking a wide range of rewarding career paths.

- The Economic Times



# Why study BCA at VCM?

Our program offers a multitude of advantages, including the opportunity to pursue certification courses in cutting-edge technologies like Azure, Power Platform, and State of App. You'll be at the forefront of the latest advancements in Cloud, AI, and Big Data. Our comprehensive curriculum covers all aspects of computer applications and information technology, ensuring you develop a well-rounded skill set. With faculty members who bring extensive industry experience, you'll gain valuable real-world insights. Connect with industry professionals through guest lectures and networking events. Gain practical experience through internships and projects. Enjoy state-of-the-art facilities, including well-equipped computer labs and a resourceful library.

At VCM, we provide the perfect platform to launch your successful career in the dynamic field of computer applications.

**Vision is one of the very few places where you get to attend Certification Programs like Microsoft Azure Certification Series (ACS), State of App, & Low Code App Development.**



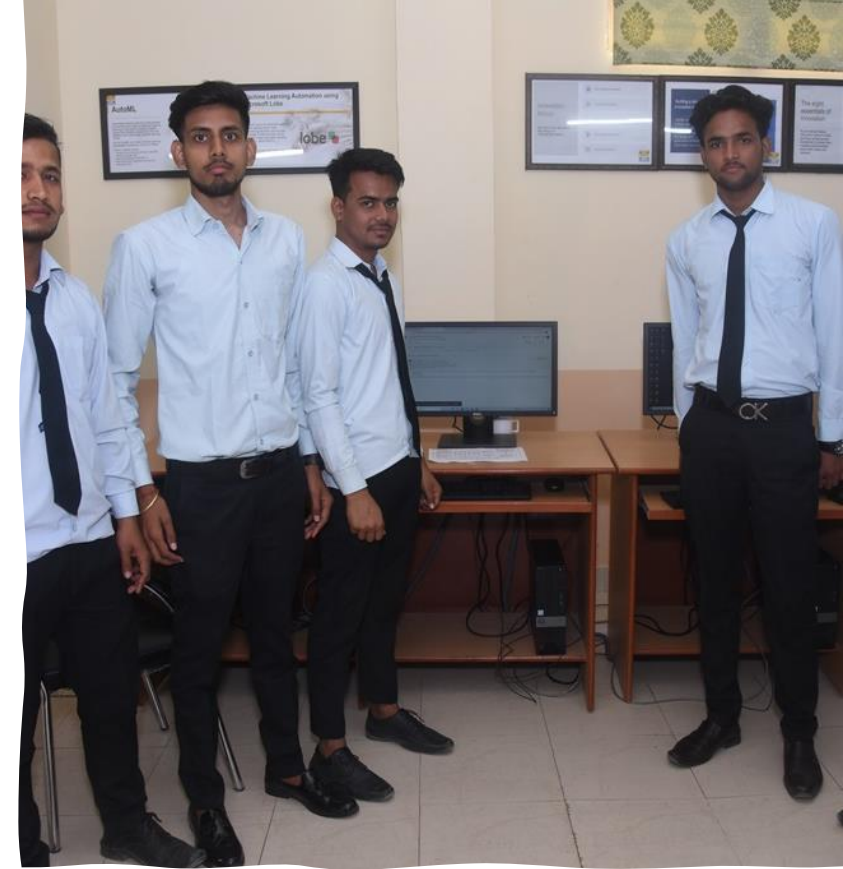
# Further details

- **Eligibility**

Eligibility is as per the university guidelines.

- **Curriculum**

The BCA program at VCM offers a comprehensive curriculum in computer applications, covering topics such as programming, data structures, web development, and more. Practical training through projects and internships allows students to apply their knowledge to real-world scenarios. Soft skills like communication and critical thinking are also emphasized. With a focus on emerging tech, the program prepares students for successful careers in computer applications.



# Job Prospects

The World Economic Forum's *Future of Jobs Report 2023* says that AI and machine learning specialists, data analysts and scientists, and digital transformation specialists are the most prominent emerging roles. Tech related to Computer Science will remain the foremost job providers.



After completing the BCA program at VCM, job prospects are abundant for graduates. They are highly sought after in industries like software development, web design, network administration, cybersecurity, database management, and digital marketing. Leading IT companies such as IBM, Microsoft, TCS, Infosys, and Wipro actively recruit BCA graduates. Additionally, BCA graduates can pursue advanced studies in computer science or opt for entrepreneurship.



At VISM, we provide comprehensive support, including career counseling, to help our graduates find rewarding job opportunities and succeed in their chosen fields.







# What is Artificial Intelligence & Machine Learning?

Artificial Intelligence (AI) is a computer science field that creates machines capable of performing tasks that normally require human intelligence. AI systems use algorithms, statistical models, and machine learning techniques to learn from data and improve their performance over time. AI has various applications and has the potential to transform the way we live and work.

Machine learning is a subset of artificial intelligence that focuses on developing algorithms and models that enable computers to learn from data and make predictions or take actions without being explicitly programmed. It involves training and improving systems through data analysis, allowing them to adapt and improve their performance over time.

Check [Exploring Artificial Intelligence & Machine Learning, Special Resource Material @ VIT](#)



# Research Opportunities

In the digital age, a BCA degree opens doors to a world of opportunities in the booming field of technology, where innovation and creativity thrive. - TechCrunch

At Vision Group of Institutions, we promote a research-oriented culture, offering abundant research opportunities for BCA graduates. The BCA program encourages students to participate in research projects under experienced faculty members and publish their findings in prestigious journals and conferences. Faculty members are actively involved in cutting-edge research areas like artificial intelligence, machine learning, computer networks, security, and software engineering. Students can collaborate with faculty, gain practical experience, and explore advanced research methodologies.

Research internships with leading companies provide real-world exposure. Regular seminars and workshops featuring experts keep students updated. Engaging in research at Vision nurtures essential research skills, preparing students for further studies or careers in research and innovation.



## Certification Programs

Vision Group of Institutions conducts a variety of certification programs, including the highly sought-after Microsoft Azure Certification Series (ACS), State of App; which covered techs like API, Serverless, Containers; and Power Platforms: Low Code App Development.

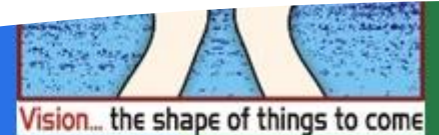
These programs provide our students with valuable exposure and practical skills in cutting-edge technologies, equipping them for success in the dynamic professional landscape.

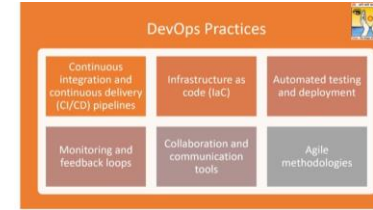
Few programs conducted in the Academic session 2022-23 were:

- [Microsoft Azure Certification Series \(ACS\)](#)
- [State of App- from Monolithic to Microservices](#)
- [Power Platforms: Low Code App Development](#)

# Azure Certification Program

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Vision Group of Institutions





DevOps  
Building the future @  
Vision Group of Institutions



Vision Group of Institutions presents

### Adding AI: Building Cognitive Abilities

Four AI pair programmer

GitHub Copilot

'State of Apps'- from Monolithic to Microservices



Few glimpses from our Certification Programs

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**Building the future @  
Vision Group of Institutions**



## Azure Certification Program (ACP) – Program details

- Day 1: Azure Fundamentals - Building a Strong Foundation in Cloud Computing
- Day 2: Azure Storage and Success Stories - Navigating the Cloud Landscape
- Day 3: Azure Data Services - Unlocking the Power of Your Data in the Cloud



## Storage Services Navigating the Cloud Landscape

Cloud Success Stories

Introduction to Azure Storage

Hands-on lab session- Azure Storage Lab



## Day 3: Azure Data Services Unlocking the Power of Your Data in the Cloud

- Introduction to Azure Data Services
- Azure SQL- First Look:
- Hands-on lab session- Azure Storage Lab



Day 1: Azure Fundamentals - Building a Strong Foundation in Cloud Computing

- Introduction to cloud computing
- Overview of Microsoft Azure
- Azure Services and Solutions
- Hands-on lab session- Azure Portal: First Look; Resources & Popular Services



## Azure Virtual Machines

Azure Virtual Machines is a fully customizable infrastructure-as-a-service (IaaS) solution that allows users to deploy and manage virtual machines in the cloud. It provides users with complete control over the virtual machines and the operating systems they run.



# Tech covered under Azure Certification Program

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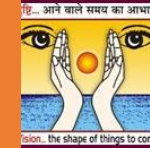


# Serverless Event-driven Cloud Functions

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Containers- the  
future of App  
deployment



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Institutions



Tech covered under  
'State of App'  
Certification Program

Application  
Programming  
Interface  
(API)



# Learning Outcomes

## Power Platform Developer Certification

Develop	Develop solutions using Power Apps, Power Automate, and Power Virtual Agents.
Understand	Understand the user interface and navigation of the Power Platform.
Create	Create Flows and build Power Apps.
Apply	Apply best practices for security, scalability, and performance.
Integrate	Integrate AI capabilities and Automate.
Merge	Merge data from different sources into a single data model.
Visualize	Visualize data using Power BI reports and dashboards.
Solve	Solve real-world business problems using the Power Platform.

Introduction to low-code development, Power Platform suite, Your 1st flow using Power Automate

Microsoft Power Platform

The low code platform that spans Microsoft 365, Azure, Dynamics 365, and standalone apps.

Power BI Business analytics | Power Apps App development | Power Automate Process automation | Power Virtual Agents Intelligent virtual agents | Power Pages Low-code web development

Day 1: Power Platform Developer Certification

Let's Make Some Connections

Power BI; data-driven future

OpenAI & Power Platform

Zero to Hero! Develop Apps

Vision Group of Institutions | Power Platform Developer Certification

### Hands on Labs

#### Power Platform Developer Certification

- The lab work in the Power Platform Developer Certification program reinforces concepts covered in each session.
- Participants will engage in hands-on activities throughout the program to gain practical experience using the Microsoft Power Platform.
- Participants will learn to create Flows using Power Automate, customize Canvas Apps, build Power BI reports and dashboards, and more.
- The lab work is designed to equip participants with the necessary skills to develop solutions using the Power Platform that can solve real-world business problems.

Low Code Developments, Reports and Dashboards

Power Platform Developer Certification

Power BI; data-driven future

OpenAI & Power Platform

Zero to Hero! Develop Apps

Vision Group of Institutions | Power Platform Developer Certification

Low Code Developer Stories

Power BI- Data Sources, Visualization and Interaction

Data modeling in Power BI

Day 3: Power Platform Developer Certification

Microsoft Power Platform

Power Automate Process automation

Power Virtual Agents Intelligent virtual agents

Power Apps Application development

Power BI Business analytics

Power Platform Developer Certification

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B.Tech Diplome ITI MBA BBA BCA

# Technologies covered under Power Platform Certification

## Building the future @ Vision Group of Institutions

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Vision... the shape of things to come

## Advantages @ Vision



Academics



Certification Programs



Center of Excellence (CoE)



Student Development Activities



Placement & Pre-Placement Activities

## Advantages @ Vision Group of Institutions

Vision Group of Institutions offers number of unique advantages including academics, student development programs, placement & results, and facilities. From Advance Labs, Centre of Excellences, to numerous Student Activities; let college leave a lifelong cherished memory.



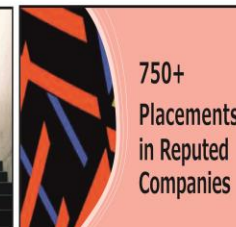
Industry Visits & Surveys



World Class Facilities



Academic Records & Merit Holders



750+ Placements in Reputed Companies  
Training & Placement Cell



Hobby Clubs



Projects & Lab Work



Centre for Character and Leadership Development (CCLD)



Hostel Life @ VIT



Guest Lectures & Workshops



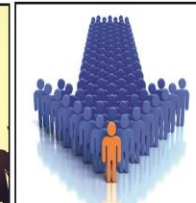
Innovation & Research Centre



Entrepreneurship & Start-up Cell



Alumni Success Stories



Academics

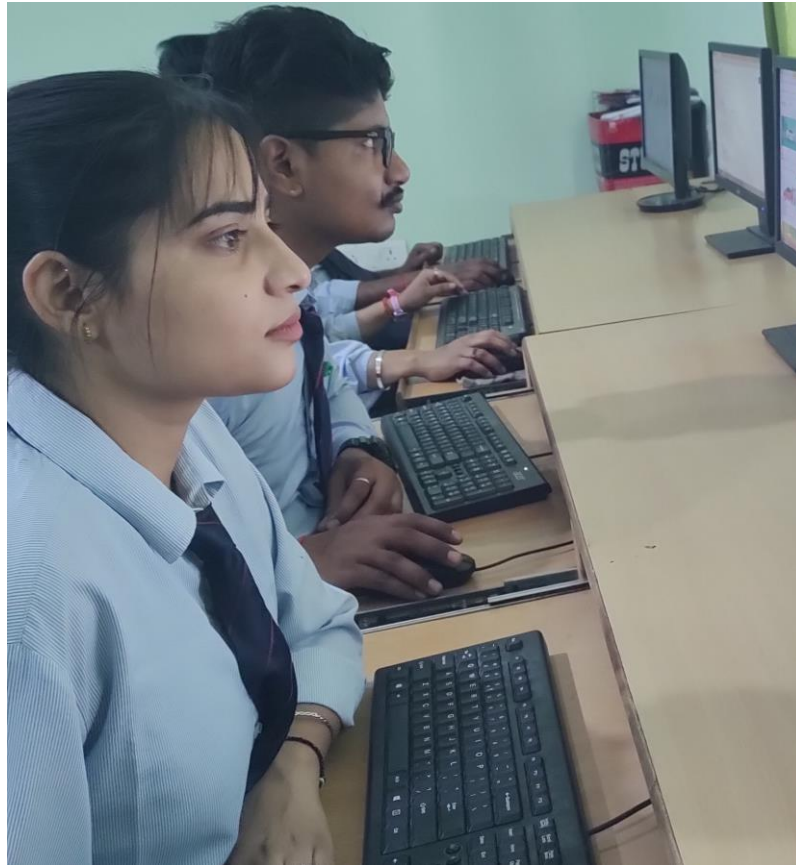
**ALIGARH CAMPUS: SHAHPUR MADRAK, ON ALIGARH-AGRA HIGHWAY,  
APPROX 10KM FROM SASNI GATE, ALIGARH**

दृष्टि... आने वाले समय का आभास



Vision... the shape of things to come





# Life @ Vision

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Vision Group of Institutions



# Management Programs @ Vision

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Vision College of Management is running [Bachelor of Business Administration \(BBA\) Program](#), an under-graduate program suitable for inculcating managerial skills.

Vision College of Management is running [Bachelor of Computer Application \(BCA\) Program](#), an under-graduate program suitable for software developers and programmers.

**Both the programs are permanently affiliated to CSJMU, Kanpur.**

[Master in Business Administration \(MBA\)](#), is a Two years Full Time Degree Program, Approved by AICTE, affiliated to AKTU, Lucknow. The M.B.A program is the flagship management program which molds students into competent value-driven professionals, with strong grounding in management principles and processes.

Specializations offered:

- Finance
- Human Resource
- International Business
- Information Technology
- Marketing

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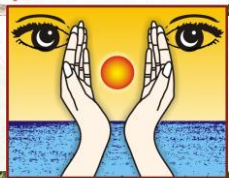


Vision... the shape of things to come

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