Jharkhand State Open University

(Established by the Government of Jharkhand & Recognised as per Section (2f) of UGC Act,1956)

झारखण्ड राज्य खुला विश्वविद्यालय

Bachelor of Computer Applications (BCA)

Open & Distance Learning Degree Program

WHAT IS OPEN & DISTANCE LEARNING?

Open and Distance Learning (ODL) is a flexible education system where students can study remotely without attending a physical campus. It allows learners to access course materials and instruction from anywhere, often at their own pace.

JHARKHAND STATE OPEN UNIVERSITY

The Jharkhand State Open University, Ranchi has been established by the State Government of Jharkhand under the Jharkhand State Open University Act, 2021 (Jharkhand Act, 12, 2021) duly enacted by the Legislature of the State of Jharkhand and approved by the Hon'ble Governor, Jharkhand on 02.11.2021 for the introduction and promotion of Open University and distance education system in the educational pattern of the Jharkhand State and to provide educational opportunities to those who are unable to go in formal education and wish to upgrade their education or acquire knowledge and studies in various fields through the distance mode of education.

Why Choose BCA?

- Gain a strong foundation in computer applications, software development, and information technology.
- Learn programming languages, database management, networking, and emerging technologies like artificial intelligence and machine learning.
- Develop practical skills in real-world IT applications through a comprehensive curriculum.
- Prepare for rewarding careers in IT sectors such as software development, web development, and systems administration.

Program Highlights

Flexible Online Learning

Learn at your own pace using our interactive online platform. Access study materials and attend virtual classes from anywhere, allowing you to balance your academic journey with your professional life.

Affordable and Accessible

Enjoy a cost-effective education with easy access to study materials, expert support, and opportunities for regular virtual interactions to enhance your learning.

Program Highlights

Experienced Faculty

Learn from qualified faculty and industry experts who provide hands-on experience and deep insights into the IT world, ensuring you're equipped with relevant, up-to-date knowledge.

Comprehensive IT Curriculum

Study core IT topics such as programming, networking, database management, cybersecurity, cloud computing, and more.

Course Structure

SEMESTER – I

Code No.	Paper
BCA-101	Fundamentals of Computers & Information Technology
BCA-102	Fundamentals of programming using C language
BCA-103	Data Structure Using 'C'
BCA -104	Communication Skills

SEMESTER – II

Code No.	Paper
BCA- 201	Production and Operating Management
BCA -202	Database Management System (DBMS)
BCA-203	Digital Electronics &Computer Organization
BCA -204	Personality Development

SEMESTER – III

Code No.	Paper
BCA -301	Introduction To Computer Network
BCA -302	Relational Database Management System
BCA-303	Operating System & Software Installation
BCA-304	Tax Planning

SEMESTER – IV

Code No.	Paper
BCA -401	Web Technology using FOSS (LAMP/WAMP)
BCA-402	CSystem Programming and Introduction to Microprocessor
BCA-403	Introduction to Internet Technologies and HTML
BCA -404	E- commerce

SEMESTER – V

Code No.	Paper
BCA -501	Business Application & Introduction to ERP
BCA-502	Object Oriented Concept & Programming-I (CoreJava)
BCA- 503	Mobile Application Development
BCA-504	Client/Server Architecture and Interface(C#)

SEMESTER – VI

Code No.	Paper
BCA -601	Object Oriented Analysis and Design
BCA -602	Software Engineering
BCA -603	Internet Programming (ASP.NET using C#)
BCA -604	System Analysis and Design

Who is This Program For?

- **Aspiring IT Professionals:** Ideal for students who want to pursue a career in technology and computer science by gaining a deep understanding of computer applications
- **Young Professionals:** Perfect for individuals already working in the IT sector who wish to formalize their skills and knowledge while continuing their career through flexible learning.
- **High School Graduates:** This program offers a flexible and accessible pathway for those starting their academic journey in computer applications without attending a physical

Career Opportunities

- Software Developer
- Web Developer
- Mobile App Developer
- IT Consultant
- System Administrator
- Database Administrator
- Data Analyst
- Network Engineer

Bachelor of Computer Applications (BCA)

Course Duration: 3 Years

Fee Structure			
Bachelor of Computer Applications	**1st Year**	**2nd Year**	**3rd Year**
Registration Fee	₹500/-	–	–
Kit Fees	₹4,000/-	–	–
Course Fee	₹9,400/-	₹13,400/-	₹13,400/-
Examination Fees	₹2,000/-	₹2,000/-	₹2,000/-
Total Yearly Fee	₹15,900/-	₹15,400/-	₹15,400/-
Total Fees	₹46,700/-		