Y B N UNIVERSITY

RAJAULATU, NAMKUM, RANCHI (Jharkhand)
Established by the Act. of Government of Jharkhand Act. 15, 2017
Gazzate Notification No. 505, Dated 17 July 2017
As per Section 2(f) of UGC Act. 1956

School of Computer Science & IT

Bachelor of Computer Applications (BCA)

Program Outcomes (POs)

PO1	Apply knowledge of mathematics, computer science, and management principles to solve computational problems.
PO2	Analyze complex problems and identify solutions using computing principles.
PO3	Design and develop software applications with appropriate considerations for security and ethical implications.
PO4	Conduct experiments, interpret data, and provide meaningful conclusions in computing domains.
PO5	Use modern tools and technologies for software development, data management, and cybersecurity.
PO6	Understand professional ethics and responsibilities in the IT industry.
PO7	Demonstrate effective communication and documentation skills in software development.
PO8	Work efficiently as an individual and in diverse teams in the IT sector.
PO9	Engage in lifelong learning to adapt to new technologies and trends in computing.
PO10	Apply computing knowledge to solve real-world problems through project development and research.

Program Specific Outcomes (PSOs)

PSO1	Develop software applications using programming languages, data structures, and algorithms.
PSO2	Apply database management techniques for efficient data handling and storage.
PSO3	Design web-based applications with an understanding of front-end and back-end technologies.

OFFICE OF THE REGISTRAR
YBN UNIVERSITY, RANCHI (JHARKHAND)

Y B N UNIVERSITY

RAJAULATU, NAMKUM, RANCHI (Jharkhand)
Established by the Act. of Government of Jharkhand Act. 15, 2017
Gazzate Notification No. 505, Dated 17 July 2017
As per Section 2(f) of UGC Act. 1956

School of Computer Science & IT

Master of Computer Applications (MCA)

Program Outcomes (POs)

PO1	Apply advanced computing concepts, software engineering principles, and mathematical foundations in problem-solving.
PO2	Design and develop sophisticated software solutions that meet industry standards.
PO3	Conduct research in computing to innovate and optimize algorithms, database systems, and artificial intelligence models.
PO4	Utilize modern technologies such as cloud computing, blockchain, and data analytics in application development.
PO5	Demonstrate leadership, teamwork, and entrepreneurial skills in IT project management.
PO6	Adhere to professional ethics, cybersecurity principles, and legal responsibilities in computing professions.
PO7	Develop and implement IT solutions that address societal and environmental challenges.
PO8	Communicate technical concepts effectively through documentation, reports, and presentations.
PO9	Engage in lifelong learning through professional development, certifications, and research collaborations.
PO10	Integrate interdisciplinary knowledge in computer science to create innovative computing solutions.

Program Specific Outcomes (PSOs)

PSO Number	Program Specific Outcome Description
PSO1	Architect, design, and implement software solutions using cutting-edge technologies.
PSO2	Apply machine learning, artificial intelligence, and data science techniques in real-world applications.
PSO3	Demonstrate expertise in high-performance computing, cloud systems, and enterprise architecture.

OFFICE OF THE REGISTRAR
YBN UNIVERSITY, RANCHI (JHARKHAND)