



4-Year Full-Time AICTE Approved

# B.Tech

**SCHOOL OF ENGINEERING & IT** 

APPLY FOR **AJUCET 2024** 

## **ABOUT JAIN GROUP**

JAIN Group, Bengaluru is an established education provider and leading entrepreneurship incubator in India. JGI represents a cluster of 77+ educational establishments with 75,000-plus students and 10,000-plus employees engaged at various levels, P-12 (Pre-School to Grade 12), diploma, undergraduate, postgraduate, doctoral levels across 64 campuses pan India. which include prestigious institutions like Jain College, Bengaluru (Among the top 25 best commerce colleges in India\*); Jain (Deemed-to-be-University), Bengaluru (Among the top 5 private universities of India\*); Jain College of Engineering, Bangalore; Jain Public Schools, Jain Heritage Schools, Jain Toddlers and Jain International (Residential) Schools.\*As per India Today - Nielsen survey.The 30-plus Years JAIN Legacy is synonymous with NIRF, QS World University Rankings, NAAC A++ Grade, NBA.

**EDUCATIONAL** INSTITUTIONS IN INDIA JGI'S ALUMNI INCLUDE

**OVER 10+** 

Arjuna, Rajiv Gandhi Khel Ratna, Padma Shri, & Padma Bhushan Awardees, & 300+ Sports person of International & National Repute.

**STATES** 

**UNIVERSITIES** 

**EDUCATIONAL INSTITUTIONS** 

75K **STUDENTS** 

**EMPLOYEES** 

**CAMPUSES** 

**INCUBATED COMPANIES** 

## About

# ARKA JAIN UNIVERSITY

ARKA JAIN University was established in the year 2017 by the Jharkhand State Legislature under "The ARKA JAIN University Act" & is recognized by UGC. It is the first state private university in the Kolhan region (comprising of three districts) of the state.

AJU has been accredited with 'A' Grade by NAAC in the first cycle, the first state private university in Bihar, Jharkhand and West Bengal to get this distinction. The university has the necessary affiliations, recognitions and memberships from such bodies as AICTE, BCI, PCI, OCI, JNRC, INC, AIU, ASCO. AJU is an ISO-certified "Educational Organization Management System" University. It has been ranked 3rd in the "Top-15 Emerging Private Universities in India" category in the prestigious Outlook iCare University Ranking 2023.

### RECOGNITION, AFFILIATION

#### & MEMBERSHIPS



University Grants Commission (UGC)



All India Council for Technical Education (AICTE)



International Organization for Standardization



Association of Indian Universities

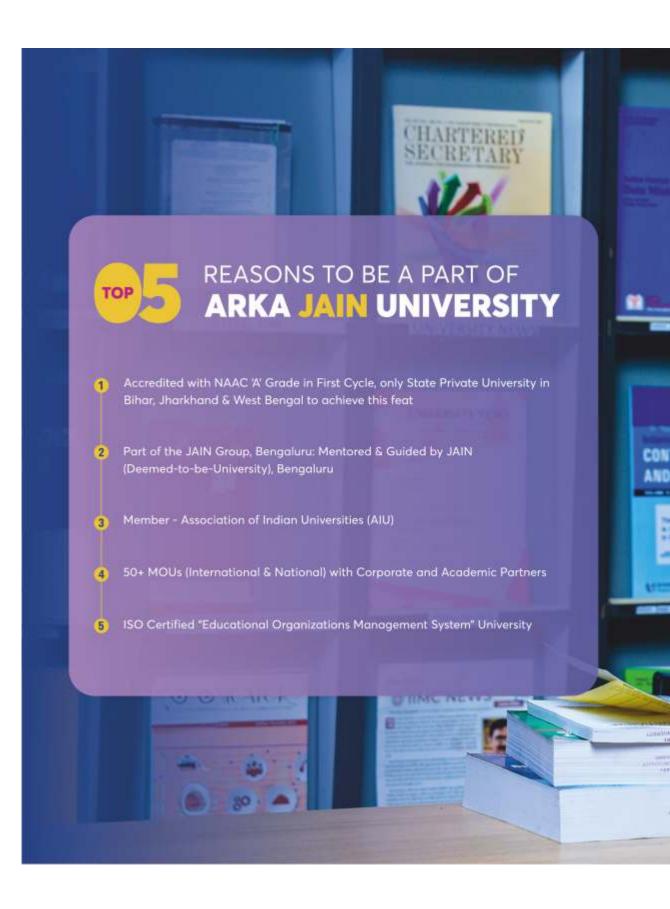
5000+ STUDENTS

**07 SCHOOLS** 

**30+ PROGRAMS** 

175+ FACULTY MEMBERS







## **Explore The**

### **VIVACIOUS AND EFFERVESCENT CAMPUS**













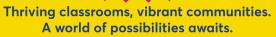
























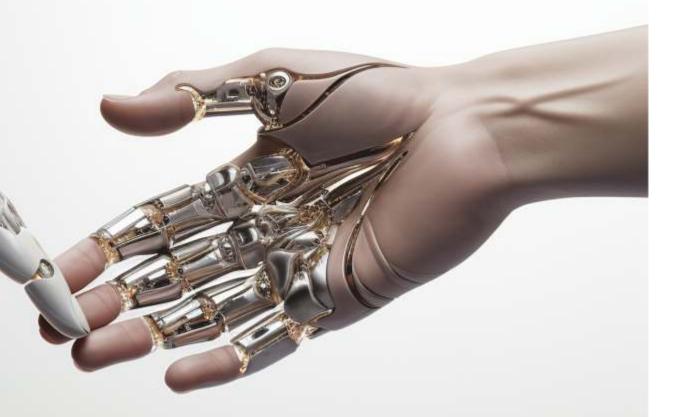






4-YEAR FULL-TIME | AICTE APPROVED

AJU School of Engineering & IT is established with an aim to provide quality education and technical development, ARKA JAIN University is an intellectual destination that draws and inspires students from diverse background. It is an AICTE approved professional Engineering under graduate degree of 4 years duration offered in 5 different disciplines. Our B.Tech program involves theoretical and practical learning in equal measures. It is one of the most preferred programs and is in great demand in the student community looking forward to mould their interest and ambition not only in India but also for the vacancies abroad aiming for lucrative career as this professional program creates numerous apportunities in the Field of Engineering. The university is committed towards providing excellent Academic curriculum, Laboratory facilities, Workshops, Seminars, assignments, Industrial visit apportunities along with experiments, research and placement support.



#### SPECIALIZATIONS



Computer Science and Engineering



Electrical & Electronics Engineering



Mechanical Engineering



Artificial Intelligence & Machine Learning



Artificial Intelligence & Data Science



#### ( QUICK FACTS )

#### **ELIGIBILITY FOR B.TECH:**

Passed 10+2 examination with Physics / Mathematics / Chemistry/ Computer Science/Electronics/Information Technology/ Biology/Informatics Practices/ Biotechnology/ Technical Vocational subject/ Agriculture/ Engineering Graphics/Business Studies/Entrepreneurship.

- For Mechanical Engineering (Mandatory Subject at 10+2 level Physics, Chemistry, Maths).
- For Electrical & Electronics Engineering (Mandatory Subject at 10+2 level Physics, Maths)
- For Computer Science and Engineering (Mandatory Subject at 10+2 level Physics, Maths) Obtained at least 45% marks (40% marks in case of candidates belonging to reserved category) in the above subjects taken together.

OR

Passed D.Voc. stream in the same or allied sector.

Candidate should have valid score card of JEE MAINS 2024 or AJU -Combined Entrance Test (AJUCET) or Common University Entrance Test (CUET) by National Testing Agency (NTA).

#### **ELIGIBILITY FOR B.TECH (LATERAL ENTRY):**

Passed Minimum THREE years / TWO years (Lateral Entry) Diploma examination with at least 45% marks (40% marks in case of candidates belonging to reserved category) in ANY branch of Engineering and Technology.

OF

Passed B.Sc. Degree from a recognized University as defined by UGC, with at least 45% marks (40% marks in case of candidates belonging to reserved category) and passed 10+2 examination with Mathematics as a subject.

OF

Passed D.Voc., B.Voc 3 year Stream in the same or allied sector.

Candidate should have valid score card of JEE MAINS 2023 / 2024 or AJU - Combined Entrance Test (AJUCET).

DURATION (B.TECH): 4 Years | 8 Semesters & B.TECH (LATERAL ENTRY): 3 Years | 6 Semesters

**DEGREE:** Bachelor of Technology (B.Tech) awarded by ARKA JAIN University, Jharkhand & approved by AICTE, New Delhi

#### ABOUT THE B. TECH EXPERIENCE

It provides more than technical training and teaches sophisticated skills of analysis & problem-solving that apply to most types of engineering, business ventures, manufacturing, or even management practices. The program nurtures you to develop global competency in industry and academics. The state-of-the-art curriculum promotes independent thinking and learning at an individual's own pace.

#### **B. TECH ADVANTAGES @ AJU**

- MOUs with TATA Motors, TPSDI, NTTF, IDTR, IBM, OP Jindal University, Raigarh; Sigma HTS LLP, Reflex&Allen for technical training, knowledge exchange, internship and placement support
- Exceptional facilities including library, technology Enabled class rooms, Hi-tech Labs, Seminar Hall,
- Auditorium & Cafeteria
- Focus on Experiential learning through yearly Excursion, Educational Tours etc.
- 🎈 Teaching Pedagogy: Workshops, Guest Speaker Sessions, Group Learning, Industrial Visits, Case Study Analysis Approach
- Personality grooming opportunity through public speaking club Toastmasters International AJU Chapter
- Well-connected transport facility from all major points across the city
- Interdisciplinary approach to learning & program delivery
- City hostel facility (for Female Candidates)
- Credible Placement Record
- Highly qualified faculty members who are alumni of premium HEIs
- Social Engagement through NSS, NCC, Rotaract etc.
- Ragging-free campus

#### **ASSOCIATIONS WITH TECH GIANTS**

Beyond individual growth, it's collective impact:



#### **AJU X GOOGLE**

Find your tribe at GDSC-AJU - Your gateway to Google resources, workshops, and hackathons. Learn, grow, and innovate!



#### **AJU X MICROSOFT**

Level up your tech skills with AJU's Microsoft Learning Community!

Master Microsoft tools, join workshops, and connect with peers.



#### **AJU X IEEE**

From robotics to AI, explore your interests: AJU Chapter of IEEE - a vibrant community for engineers who dream big and do even bigger.



#### **AJU X CSI**

Level up your CS journey! Computer Society of India AJU Chapter offers industry insights, competitions, and exclusive resources.

AI, ROBOTICS, CODING, WORKSHOPS, HACKATHONS:

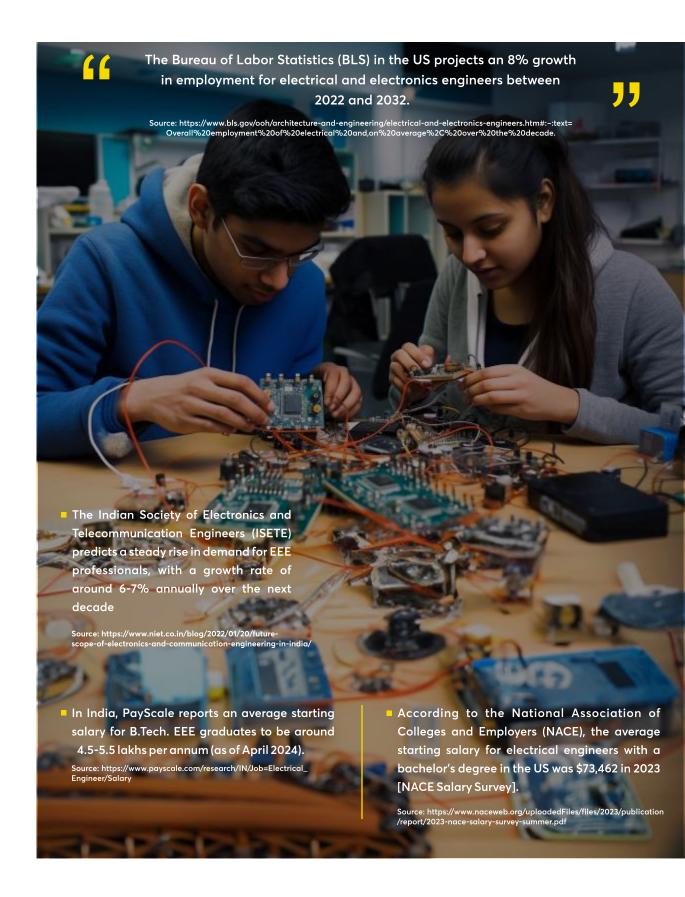


#### The Annual Tech Fest



#### STAY AHEAD WITH VALUE ADDED COURSES

- Research & Research Ethics
- Industry 4.0- The Future of Industry
- Deep learning
- Application of Mathematics in Engineering & Science
- Personality Development & Interview preparation
- Methods & Technique of Qualitative Research
- Research Paper and Thesis Writing Using Latex
- Electric Vehicle- Present & future Scope



# B. TECH IN ELECTRICAL AND ELECTRONICS ENGINEERING

- A Bachelor of Technology (B. Tech) program in Electrical and Electronics Engineering (EEE) equips the student with a comprehensive understanding of electricity, electronics, and their applications in modern technology.
- The student delves into core areas like circuit analysis, power systems, control systems, digital electronics, and electromagnetic theory.
- Through hands-on experiences, the student gains expertise in areas like designing and testing circuits, operating electrical equipment, and utilizing computer-aided design (CAD) tools.
- A B. Tech in EEE opens doors to a multitude of career paths across various sectors, including power generation, transmission and distribution, electronics manufacturing, telecommunications, and automation.
- It serves as a strong foundation for pursuing higher studies in specialized fields like power electronics, embedded systems, or robotics.

#### **PROGRAM HIGHLIGHTS**

- Master electrical circuit design with a curriculum emphasizing power systems and renewable energy integration.
- Get hands-on experience in microelectronics fabrication and testing in our advanced labs.
- Explore interdisciplinary learning, merging electronics and computer science to innovate in IoT and embedded systems.
- Unleash your creativity in designing sustainable energy solutions and smart grid technologies

#### WHY ELECTRICAL AND ELECTRONICS ENGINEERING

- Benefit from renowned faculty expertise in signal processing and communication systems.
- Access cutting-edge facilities including our Smart Grid Simulation Lab for real-world simulations.
- Acquire skills tailored to industries such as power generation, telecommunications, and microelectronics.

#### CAREER OPPORTUNITIES

- POWER SYSTEMS ENGINEER
- MICROELECTRONICS ENGINEER
- COMMUNICATIONS SPECIALIST
- EMBEDDED SYSTEMS DEVELOPER
- RESEARCH SCIENTIST

#### **UNIQUE COURSES**

- POWER SYSTEM
- HIGH VOLTAGE ENGINEERING
- VLSI CIRCUITS
- DIGITAL SIGNAL PROCESSING
- TRANSMISSION AND DISTRIBUTION



# B. TECH IN MECHANICAL ENGINEERING

- A Bachelor of Technology (B. Tech) program in Mechanical Engineering (ME) equips the student with the knowledge and skills to design, analyze, and build mechanical systems.
- The student delves into core areas like mechanics, thermodynamics, fluid mechanics, machine design, and materials science.
- The student gains hands-on experience with computer-aided design (CAD) software, manufacturing processes, and operating various machines.
- A B. Tech in ME opens doors to a vast array of career opportunities across diverse industries, including manufacturing, automotive, aerospace, robotics, and energy.
- It also provides a strong foundation for pursuing higher studies in mechanical engineering or related fields like robotics, mechatronics, or thermal engineering.

#### **PROGRAM HIGHLIGHTS**

- Dive into the world of robotics and automation with a curriculum focusing on mechatronics and control systems.
- Master CAD and CAE tools in our state-of-the-art design and simulation labs.
- Explore renewable energy and sustainable design principles to tackle global challenges.
- Learn from industry-experienced faculty with expertise in materials science and manufacturing processes.

#### WHY MECHANICAL ENGINEERING:

- Develop expertise in fields like aerospace, automotive, and energy systems, with a curriculum aligned with industry needs.
- Cultivate your creativity and problem-solving skills through project-based learning and design competitions.
- Gain exposure to cutting-edge technologies such as additive manufacturing and advanced materials.
- Engage in hands-on projects like designing and testing propulsion systems for autonomous vehicles.

#### **CAREER OPPORTUNITIES**

- AUTOMOTIVE ENGINEER
- ROBOTICS ENGINEER
- ENERGY SYSTEMS ANALYST
- MATERIALS ENGINEER
- PRODUCT DESIGN ENGINEER

#### **UNIQUE COURSES**

- MANUFACTURING AUTOMATION
- MECHATRONICS & ROBOTICS
- HYDROGEN AND ALTERNATIVE FUEL
- RENEWABLE ENERGY ENGINEERING
- AUTOMOBILE ENGINEERING



Source: https://www.bls.gov/ooh/computer-and-information-technology/home.htm



 According to a report by Indeed, the average base salary for a Software Engineer in the US is \$110,147

Source: https://www.indeed.com/career/software-engineer/salaries

The field of computer science and engineering is witnessing a significant surge in demand, with a projected growth rate of 13% from 2016 to 2026.

Source: https://apollouniversity.edu.in/blog/digital-horizons-await-career-options-jobs-after-btech-in-cse/

# B. TECH IN COMPUTER SCIENCE & ENGINEERING

- A Bachelor of Technology (B. Tech) program in Computer Science and Engineering (CSE) equips the student with a comprehensive understanding of the theoretical and practical aspects of computer science.
- The student delves into core areas like programming languages, algorithms, data structures, computer architecture, operating systems, and computer networks.
- The program emphasizes upon hands-on learning through labs and projects, allowing the student to develop valuable technical skills like coding, software development, web development, and database management.
- A B. Tech in CSE opens doors to a wide range of career opportunities in the ever-evolving IT sector, including software development, data science, cybersecurity, artificial intelligence, and more.
- It also provides a strong foundation for pursuing higher studies in computer science or related fields.

#### **PROGRAM HIGHLIGHTS**

- Master software engineering principles in our rigorous curriculum, with a focus on algorithm design and optimization.
- Dive into emerging technologies like block-chain and cyber-security to address real-world challenges.
- Learn from faculty at the forefront of computer science research, with expertise in areas like data science and cloud computing.
- Access cutting-edge computing resources in our dedicated labs and research centers.

#### WHY COMPUTER SCIENCE & ENGINEERING

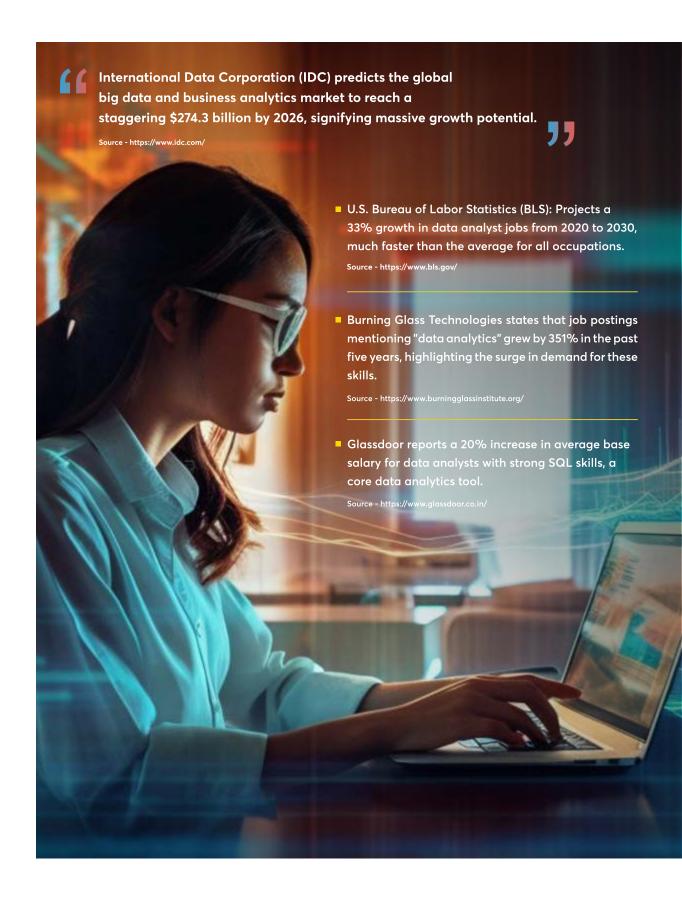
- Prepare for a career in high-demand fields like software development, cyber security, and data analytics.
- Gain practical experience through internships, co-op programs, and industry-sponsored projects.
- Join a vibrant community of tech enthusiasts, with opportunities for networking and collaboration.

#### CAREER OPPORTUNITIES

- SOFTWARE ENGINEER
- DATA SCIENTIST
- CYBER SECURITY ANALYST
- AI/ML ENGINEER
- CLOUD SOLUTIONS ARCHITECT

#### **UNIQUE COURSES**

- NEURAL NETWORKS AND DEEP LEARNING
- COMPUTER NETWORKS
- CRYPTOGRAPHY & NETWORK SECURITY
- REAL TIME SYSTEMS
- CYBER SECURITY



## B. TECH (CSE) with Data Analytics (IoA, UK)

B. Tech (CSE) with Data Analytics integrated is a highly specialized international Data Analytics program endorsed by the Institute of Analytics (IoA), UK and is open to all the students of B. Tech (CSE). The Graduates can apply for IoA affiliate Membership after its successful completion. The Institute of Analytics (IoA) is a professional body for Analytics and Data Science professionals in UK and functions globally.

## Advantages of IoA, UK Credential

Here are some of the reasons why you should choose IoA as your path to becoming a qualified data analyst.

- Use of official designation of the Institute
- Global Recognition
- Invitations to all our networking events
- Access to continuous Professional Development Programs and online portal
- Invitations to regular Industry briefings where industry experts share their insights, knowledge & experience
- Access to job opportunities page
- Invitations to Annual & Regional Conferences

#### **MODULES**

Module 1: R Programming

Module 2: Python Programming

Module 3: SQL

Module 4: Big Data Analytics

Module 5: Machine Learning & Al

Module 6: Deep Learning

**Module 7: Natural Language Processing** 

**Module 8: Computer Vision** 

### **Program Highlights**

- Hands on training on Analytics modules from IoA (Institute of Analytics)
- Provides Dual Qualification: Students who enrol for this course get a degree from the University plus Affiliate Membership from IoA (Institute of Analytics), UK
- Provides blended learning from industry and professional Trainers from ISDC & IoA
- Students get an Affiliate Membership from IoA, UK and a skill Certificate from ISDC on completion of 3 years of graduation.
- The program includes Seminars, Power Packed workshops, Corporate Engagements.
- Enhanced career opportunities in India and abroad
- The qualification is recognised globally

### **Analytics Benefits**

Better Decision—Making | Better Enablement of Key Strategic Initiatives | Better Relationships with Customers | Better Sense of Risk | Better Financial Performance & Others

## A report by McKinsey Global Institute estimates that by 2030, Al could create up to 800 million new jobs globally

Source: https://medium.com/collapsenews/new-report-ai-could-displace-up-to-800-million-jobs-globally-by-2030-5363fde751de#:-:text=The%20McKinsey%20Global%20Institute%20estimates,to%20unemployment%20and%20economic%20disruption.

 Gartner predicts that by 2025, there will be a shortage of over 4 million data science and Al professionals

Source: https://www.gartner.com/en/newsroom/press-releases /2021-03-10-gartner-says-tech-investors-will-prioritize-data-science-and-artificial-intelligence-above-gut-feel-for-investment-decisions-by-20250

 PayScale reports similar trends in India, with experienced AI/ML professionals earning upwards of 15 lakhs per annum

https://www.simplilearn.com/ai-engineer-salary-article

 Bureau of Labor Statistics (BLS) projects a 13% growth rate for computer and information research scientists (a category that includes AI & ML specialists) between 2022 and 2032

Source: https://www.bls.gov/ooh/computer-and-information-technology/computer-and-information-research-scientists.htm

## B. TECH<sub>IN</sub>

#### ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

- A Bachelor of Technology (B. Tech) program in Artificial Intelligence (AI) and Machine Learning (ML) is cutting-edge and designed for students passionate about the future of intelligent systems.
- It equips the students with the theoretical foundation and practical skills to become an expert in this rapidly evolving field.
- Core areas of study include machine learning algorithms, deep learning techniques, natural language processing, computer vision, and robotics.
- A B. Tech in AI and ML graduate is highly sought-after by companies across various industries, including tech giants, automotive manufacturers, healthcare providers, and financial institutions.
- This degree can lead to exciting careers in areas like AI research, machine learning engineering, data science, robotics development, and more. It also provides a strong foundation for pursuing postgraduate studies in specialized fields of AI and ML.

#### **PROGRAM HIGHLIGHTS**

- Dive deep into the realm of AI/ML with a curriculum focusing on advanced algorithms and deep learning techniques.
- Explore interdisciplinary applications of AI in fields such as healthcare, finance, and autonomous systems.
- Gain hands-on experience with cutting-edge tools and frameworks in our AI/ML research labs.
- Collaborate with faculty on ground-breaking research projects in areas like neural networks and reinforcement learning.
- Develop a comprehensive understanding of ethical and societal implications of AI technologies.

#### WHY THE ARTIFICIAL INTELLIGENCE/MACHINE LEARNING (AI/ML)

- Prepare for a career of technological innovation, with expertise in AI/ML increasingly in demand across industries.
- Engage in experiential learning opportunities, including internships, industry projects, and hackathons.
- Join a supportive community of researchers and practitioners dedicated to push the boundaries of AI/ML.
- Customize your learning experience with elective courses and specialized tracks in areas like computer vision or natural language processing.
- Access career resources and networking opportunities with leading AI/ML companies and research institutions.

#### **CAREER OPPORTUNITIES**

- MACHINE LEARNING ENGINEER
- AI RESEARCH SCIENTIST
- DATA SCIENTIST
- COMPUTER VISION ENGINEER
- AI ETHICS CONSULTANT

#### **UNIQUE COURSES**

- ARTIFICIAL NEURAL NETWORKS
- SOFT COMPUTING
- MOBILE PROGRAMMING USING ANDROID
- DATA ANALYTICS USING PYTHON
- PATTERN RECOGNITION



## B. TECH



## ARTIFICIAL INTELLIGENCE (AI) AND DATA SCIENCE IN ASSOCIATION WITH IBM

#### **B TECH IN ARTIFICIAL INTELLIGENCE & DATA SCIENCE**

- A Bachelor of Technology (B. Tech) program in Artificial Intelligence (AI) and Data Science is future-proof and designed to equip the student with the skills to navigate the intersection of these two powerful fields.
- The student delves into the core concepts of both AI and data science, providing a comprehensive understanding of machine learning algorithms, data analysis techniques, and statistical methods.
- Student will explore areas like deep learning, natural language processing, computer vision, and data mining, all while developing the ability to extract valuable insights from vast datasets.
- Graduates with a B. Tech in AI and Data Science are in high demand across various sectors, including healthcare, finance, marketing, and tech.
- This degree opens doors to exciting careers in data science, machine learning engineering, AI research, and business intelligence, making you a valuable asset in the ever-growing world of data-driven decision making.

#### SALIENT FEATURES OF ASSOCIATION WITH IBM

- The corporate interface programme B. Tech in Artificial Intelligence and Data Science has been designed in collaboration with IBM for the School of Engineering & IT.
- Entire B. Tech Curriculum has been designed with inputs from the Industry
- Every semester, one course will be taught by IBM Subject Matter Experts
- Each course is credit based and evaluated as per UGC norms by Industry Expert
- Work on Enterprise Software through IBM sponsored University Lab & Cloud Access
- Real Time project Development
- Each semester, students will earn a badge / certificate
- Get access to the pool of course material through IBM.
   Industry software access for free
- Earn a joint certificate from the Tech Giant IBM upon the successful completion of the Degree
- Participate in various National & International Competitions
- Industry visit to IBM for LIVE Industry experience
- Increase the chances of Global recruitment





#### ADVANTAGES FOR STUDENTS

- As a part of this contemporary programme, students will go through the curriculum as recommended by the Tech Giant IBM.
- The partnership with IBM would help in building critical technology skills for tomorrow.
- This academia-industry collaboration deems fit for preparing the undergraduate technical students for the corporate
- world and would help them sustain in this highly competitive world.
- The IBM and AJU collaboration would help the student to
  - Learn the emerging technology from day one once you get admitted in the programme
  - Gain exposure to real-time Industry environment while undergoing the degree programme
  - Work on real-life scenarios and embrace latest technologies while studying the degree programme
  - Gain access to enterprise software(s) used by prominent industries
  - Get trained on the technology / platform as designed by industry-designated experts
  - Work on real-time application development / business case problems
  - Get globally valid IBM certificate and digital badges upon the successful completion of the programme
  - Pursue better Career and Placement prospects

#### **CAREER OPPORTUNITIES**

- SOFTWARE DEVELOPER
- CLOUD APPLICATION DEVELOPER
- MACHINE LEARNING ENGINEER
- DATA ANALYST
- PREDICTIVE ANALYST
- ARTIFICIAL INTELLIGENCE ENGINEER
- CLOUD ENGINEER
- FULL STACK DEVELOPER
- ARTIFICIAL INTELLIGENCE ANALYST

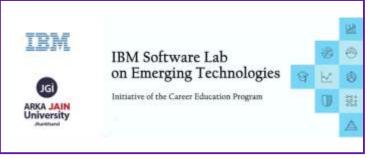
#### **UNIQUE COURSES**

- SOFTWARE FOUNDATION & PROGRAMMING (WITH C++)
- PROGRAMMING WITH PYTHON
- CLOUD FUNDAMENTALS
- PROGRAMMING WITH JAVA
- RDBMS
- DATA VISUALIZATION
- PREDICTIVE ANALYTICS
- DATA SCIENCE
- ARTIFICIAL INTELLIGENCE









#### **GLIMPSE OF COMPANIES / SECTORS USING IBM TECHNOLOGIES**

- ACCENTURE
- ACER
- ADITYA BIRLA FASHION AND RETAIL
- AIRBUS
- AT&T
- AXIS BANK
- APPLE
- ABB INDIA
- ACCENTURE SERVICES PVT LTD
- ACE SOFTWARE SOLUTION
- AMDOCS
- BARCLAYS
- BHARTI AIRTEL
- BARCLAYS TECHNOLOGY CENTER INDIA
- BIRLASOFT
- COCA COLA
- CONCENTRIX
- CONVENANT IT SERVICES
- CYBER TECH SOLUTIONS
- LIFE INSURANCE CORPORATION OF INDIA

- COGNIZANT INDIA PVT LTD
- COMPEST SOLUTIONS INC
- EUROCHANGE INDIA PVT LTD
- EXPLORESYS TECHNOLOGIES
- FORD
- FOMENT TECHNOLOGIES
- FCS SOFTWARE SOLUTION LTD
- HEWITT ASSOCIATES
- HOCH TECHNOLOGIES PVT LTD
- HCI
- DIYA SYSTEMS
- INDIAN OIL CORPORATION
- INDIAN TOBACCO COMPANY
- INFOSYS
- ISUZU
- JAPAN AIRLINES
- JONSON AND JONSON
- KFC
- KPMG
- LENOVO

- FORTIS HEALTHCARE
- FIDELITY
- GENPACT
- GLOBALLOGIC
- L'OREAL
- MAHINDRA GROUP
- MERCEDES
- MINDTREE
- NESTLE
- MOTOROLA
- NIKE
- HDFC,ICICI,HSBC,
- WHATSAPP
- RENAULT
- SIEMENS
- SINGAPORE AIRLINE
- CAPGEMINI INDIA PVT LTD
- CGI
- COVANSYS INDIA LTD
- LG





- Digital Badges can be shared over various social media platforms, can be added in Resume and Email Signatures
- Any third party can validate student's achievement through a QR code, unique id and Digital Badge code.
- Such badges are valid worldwide and appreciated by Industries and reputed institutions
- Students also receives corresponding opportunities to work in India and oversees through such portals.

#### At the end of the program, the student will get -

- B Tech degree in Artificial Intelligence & Data Science from the University
- World-wide valid joint certificate and Digital Badges from IBM mentioning the industry subjects covered
- On the completion of certification, students would receive an email from Credly and their Credly professional profile would be created



## Labs Available:

- Workshop
- Fluid Mechanics & Machinery Lab
- Strength of Material Lab
- Surveying Lab
- Applied Physics Lab
- Applied Chemistry Lab
- Electrical Machine 1 & 2 Lab
- Testing & Maintenance of Electrical M/C Lab
- Refrigeration & Air Conditioning Lab
- Power System Lab
- Power Electronics Lab
- Heat & Mass Transfer Lab
- Mechanical Measurement Lab

- Fundamental of Electrical & Electronics Lab
- Introduction to IT Lab
- Microprocessor & Micro controller Lab
- Electrical Circuit & Network Lab
- Control System Lab
- Analog Electronics Lab
- Digital Electronics Lab
- Electrical Measurement Lab
- Engineering Mechanics Lab
- Signal & System Lab
- Metrology & Quality control Lab
- I/C Engine Lab
- Mechanical Vibration Lab













#### Value Added Courses

#### **VIA LINKEDIN LEARNING**



- LinkedIn Learning opens up a new horizon of learning especially for the young and emerging professionals. JGI group
  has tied up with LinkedIn to provide a state of the art learning platform for their students.
- LinkedIn learning provides more than 23,000 courses designed and tutored by professionals to provide you the skills and competencies that are required and nurtured by enterprises. These courses ranges from languages-literature and applied language to professional competencies that provides you a flawless professional growth path.
- LinkedIn online courses allow you to learn at your own pace from the comfort of your home or University Campus. More over, the courses conclude with competency mapping to test your acquired competency and provides you a globally recognized certificate.

## FEW OF THE PROMINENT COURSES ARE DETAILED BELOW, TO GIVE YOU A BIRD'S EYE VIEW OF THE ENTIRE SPECTRUM OF COURSES:

- Ethical Hacking: Hacking IoT Devices
- Learning C
- Android 11: First Look for Developers
- Become a Linux System Administrator
- Fusion 360: Designing for Metal
- SQL Essential Training
- HTML: Metadata in the Head
- Learning Digital Business Analysis
- Learning Siemens NX
- Business Communication
- AutoCAD Design & Drafting
- Electric Vehicle
- Personality development & Interview preparation
- Entrepreneurship Foundation
- Advanced Java Programming
- Master Python for Data Science
- Advance Your Skills in the Block chain
- Understanding Cloud Fundamentals
- Practical Engineering
- Social Media Marketing Foundations
- AutoCAD 2020 Essential Training
- Become a Data Analytics Specialist
- Learning CATIA v5
- Deep Learning
- Application of system Software for Professionals



#### **INTEGRATED MODE OF TEACHING & LEARNING**

Our teaching-learning approach incorporates syndicate learning, case studies, regular assessments and immersion in real-life industry projects designed to strengthen students' knowledge in a specific area of interest and to expose them to the real world scenarios.



Workshops, Seminars, Guest Lectures, Industry Interface - At ARKA JAIN UNIVERSITY, workshops and seminars are conducted throughout the year. Experts from industry and academicians are invited to deliver lectures to our students. Students are also encouraged to organize seminars & give presentations to improve their technical and presentation skills. Eminent speakers from various walks of life including Industry, Academia, Social Sectors, Public Sector, etc. visit our University and share their experiences with students.



**Speaker Series** - Speaker series is conducted every semester. The speakers involved are from private, public and educational sectors who educates via presentations on relevant topics related to Mechanical, Electrical & Electronics, Computer Science Engineering, Artificial Intelligence, Data Science, Machine Learning.



**Projects / Mini-Projects** - Mini projects and Projects are part of regular curriculum of B. Tech program at AJU. Students are exposed to all the latest technologies while developing Projects at our lab facilities in the University. Projects are mentored in various areas of technology related to field of Mechanical, Electrical & Electronics, Computer Science Engineering, Artificial Intelligence, Data Science, Machine Learning. Based on the students' area of interest, projects are guided under the mentorship of our Professors.



**Tech-Minds** - Extracurricular activities of great passion and value provide students an opportunity to develop their skills. Different levels and rounds of technology-based activities like quizzes, presentations, cultural etc. are organized from time-to-time. Technical talks are also integral part of this. The activity is planned with a purpose of letting everyone be aware of the importance of having a strong foundation in technical skills, which is mainly targeted when it comes to the industry, along with a perspective of testing each participant's knowledge about existing software and technical skills.



Coding Competition - Coding competition is an integral part of B. Tech program and is regularly conducted in every semester. All the students are encouraged to participate in this competition which helps the students to test their skills in different domain areas, like Coding, Data Science, Machine Learning, Artificial Intelligence, IoT, etc. One of the primary elements of this competition is RE-CODING. In this competition, program codes are given in a particular language and the participants are asked to re-code it in some other language.



that matter: Prepare for careers with cutting-edge knowledge & connections!



















#### **HOSTEL FACILITY**

The University provides well-furnished spacious accommodation for female students through two of its hostels situated in the heart of the city, namely, Adityapur locality in Jamshedpur. Both the hostels have air-conditioned (A/C) and non A/C rooms. Each room has bed, almirah, study table and chair.

#### **CAFETERIA FACILITY**

Enjoy a diverse menu of delicious options at AJU cafeteria, perfect for fueling your academic journey. Whether you're grabbing a quick bite between classes or catching up with friends over lunch, our welcoming atmosphere makes the cafeteria a hub for both sustenance and socialization. Unwind and socialize with friends in a relaxed atmosphere, making memories that last a lifetime.





#### TRANSPORT FACILITY

The University provides bus facilities for the students who opt for availing the transport facility. A fleet of buses ply between university and various locations of Jamshedpur to pick and drop the students and faculty members.

#### **GYM FACILITY**

The University has a dedicated gym facility which the University fraternity utilizes as per their convenience. Various types of gym equipment are made available to those interested in utilizing the same.



## **LEARNING BY DOING**

#### **PROJECT & APPLICATION-BASED LEARNING:**

We offer decent career prospects to the students of B. Tech.

The exceptional teaching helps to bridge the gap between the corporate and academe. Companies from such domains as Electrical, Computer, Mechanical, Electronics, Automobiles, Data Science, Machine Learning etc. prefer B. Tech graduates. This Professional program provides practical knowledge in the field of technical education.



#### LEARNEDGE SATURDAYS

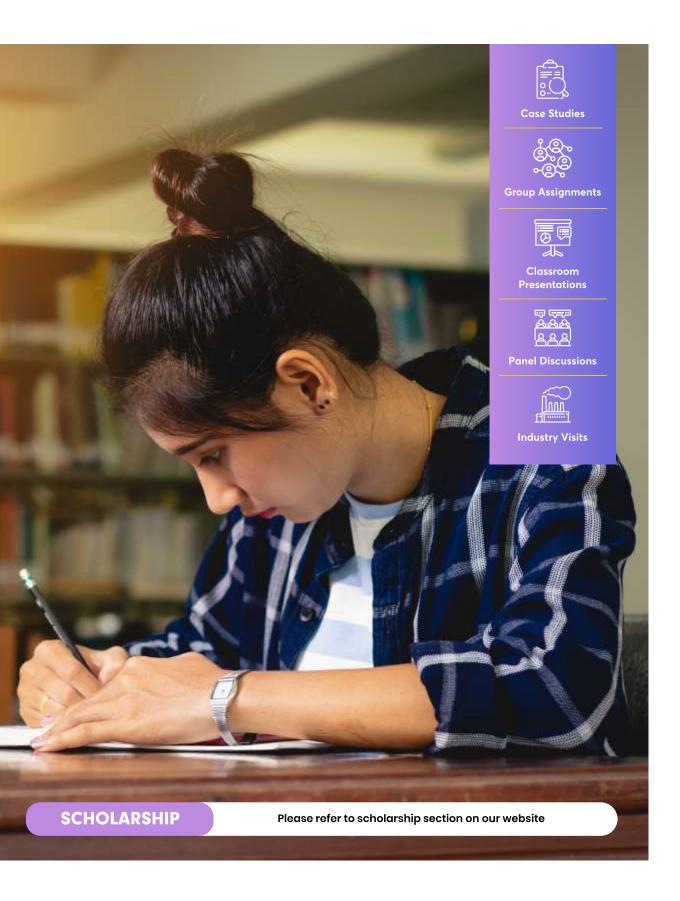
AJU offers extracurricular activities of high intensity and value which develop mind, body and spirit. Notable among them are the Learnedge Saturdays, where a combination of technology, business, cultural and theatre related activities are organized on continuous basis every saturday. Corporate lectures, Tech scan sessions, debate forums, industry interaction, etc. are organised.







The Central Library of the University has a wide range of latest edition books for different subjects of Technology, Management, different fields of Science, including Journals, e-journals, magazines. Central library is also equipped with reprography facility, internet facility with systems for the students to access study material from e-learning sources.











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Carvaan Annual expedition tour to discover uncharted territories







Navotsav Celebrating Legends of Gandhi-Shastri & Sparkle of Navratri







The 3-day annual flagship cultural extravaganza



### **Aarambh**

Gateway to a vibrant & enriching experience!



Runbhoomi Three-Day Flagship Annual Sports
Extravaganza



### In the MEDIA SPOTLIGHT

#### Arka Jain University becomes the first Pvt Varsity to get "A" grade from NAAC

PSS: JAMSSHIPPCH
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## अर्का जैन यूनिवर्सिटी ने रचा इतिहास

जारखंड समेत तीन राज्यों में नैक से ए बेड पाने बली पहली स्टेट प्राइवेट युनिवर्सिटी बनी

nshedpur@inext.co.in

JAMSHEDPUR (24 Feb) : पुणवनामूर्ण उच्च किया के लिए देश भर में अनने परावान बना चुकी अरका केन पुणिवसिंटी (ग्लेप्) e साली से Sperfichit its favor utless forche की दिशा में सत्तर प्रचारत है. उसका परिचास है कि अरका देन वनिवसिंटी को अपनी पात्र के मुख्याती हीर में ही जिनिस्ट्री ऑफ एजुकेशन की बीदी ग्रष्टीय मूल्यांकन एवं प्रत्यावन परिवद (नैक) को ओर में ग्रेत ए की मान्यता प्राप्त सुद्दें हैं. इसके शरक हो आका जैन युनियसिटी झारखेद, बिहार एवं पश्चिम बंग्यल क्षेत्रे मिल्ब कर ऐसी पहलों क्षेत्र प्रकृतित प्रतिकारिते बन गई है, जिसकी नेक को पर प्रतिक्षित ए ग्रेय की रेकिंग मिली है, इसके पहले उक्त तीनी ग्रन्थ में किसो भी स्टेट प्रवावेट वृश्विसंटी की रैक की और में यू ग्रेड में नवाना नहीं गया है. यह बानकारी मृत्तिवसिटी के अधिकारियों ने यहां एक मंबाददाता umbere la rême vê.

जताया आगर

अरबा कैन गुण्यिसिटी के बुलाधियति। जीवास्तव ने बताधा कि 6 सल से दम "कर्ती दूर न जाना परे



#### सच हुआ सवला से आज यह एक संबन्ध साथ बीने जेवा है, वही

युनिवरिद्धि के प्री प्रोत्तरा हों एन सुंदरजन और प्री चरिस्तर (पर्च पूर्व सामाजि से एसरस रही ने कहा कि नेक की रेटिंग प्रेसंस के दौरान काफी कडे इम्लेकन्डे से गुज़रन्त यह. बयाहर दुनिवरिति की टीम ने दिन-रात एक करके रिजेटर्ज नेकर की और उसी उरफा संबर्ध retores do ferre birr

कुलाति में ईन्दान आगार ने इस सम्बद्धिः प्रम किन्द्रक्रियालय के सभी propert awarded और विद्यापियाँ को कराई वें.विश्वविद्यालय के utif sites distante de VIDE DESCRIPTION DESCRIP सार्वीका के राज्याम नाजेश जुकला में इसी

महत्वपूर्ण करी बताई और must file appoint most de sent of euro to time. तार एक विशेष उपन्तीन है. फोध्र को 3.15 सकीर प्रम हुआ है इस दौरान बुनवराते के डीन प क्रप्रतंबदर कैयस ही अंगद विद्यारी और होत अउटरीच प्रीयम सुमार विशिक्त समेत प्रचा गारिका है,

के प्रति अध्यार जलाया, आच्या कैन हैं, यह प्रदा्धि आहें को गणवन्त्रपूर्ण वनिवसिंटी के रॉजस्टार की ऑस्त

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## अरका जैन विवि को नैक से ए ग्रेड

जमलेखपुर, प्रमुख संभावदाता । आरका वैन विश्वविद्यालय ने एके इमिक क्षेत्र में जमहोदपुर के बाम एक उपलब्धि कोई. री है। यह विश्वविद्यालय आरखंड ही नहीं, बरिक बिहार य बंगाल का पहला वेसा निजी विधि धन गण है, जिसे नैक से ए केट मिला है। वैकाने रिसंबर 2023 में किए गर विश्वविद्यालय के विशेषण के बाद अरका जैन विवि को 3.15 सीजीपीए अंक प्रधन किए, जिससे विक्वितियालय को ए ग्रेस मिला है।



नेक रोड मिलने की जानकारी देते अरका जैन विधि के सदस्य। • (१-५००)

प्रविद्यविद्यों में विवित्रकों 84 प्रतिशत अंक

आकलन किया गया। इसमें कीरिकुलर. को 3150 अंक प्राप्त हुए। साकची रे अयोजित संवाददाता सम्मेलन में अरब

उपलब्धि. पिता के गुजरने के बाद भी नहीं हारी हिम्मत, अपने सपनों को दिये पंख

## बेटी को ₹23 लाख का सालाना पैकेज

करहैया लाल सिंह, जनशेदपुर

लीहनगरी की बेटी रविंदर कीर ने अपनी प्रतिभा से जमशेवपुर का नाम रोशन किया है, उसने अपनी पदर्ध-लिखाई के दम पर 23.05 लाख रुपये का खलाना पैकेज हासिल किया है. अरका जैन यूनिवर्सिटी की बीबीए खाता (सत्र 2021-24) कदमा निवासी रविंदर को डीई शॉ ग्रप से प्री-प्लेसमेंट ऑफर मिला है, कंपनी ने उसे

### अरका जैन की बीबीए की छात्रा रविंदर कौर को डीई शॉ ग्रुप से मिला प्री-प्लेसमेंट ऑफर पापा के गुजरने के बाद होम टाउन में पढ़ने का फैसला



रविदर कौर ने प्रभात खबर को बताया कि वह अपनी सफलता से काफी खुश है. पिता की मौत के बाद उसका जो कॉन्किडेंस गिर गया था. वह अब वायस लीट गया है . ऐसे प्रसिद्धित मल्टीनेशानल संस्थान में पहले इंटनीरिय, किर काइनल प्लेसमेंट एक सपने के

पर्सनल इंटरब्यू, अंत में इंटरनिशय में परकॉरमेस के आधार पर जींब ऑकर किया गया , इंटरच्यू में कॉलेज की पदर्ड, सामान्य ज्ञान और फाइनांस से संबंधित प्राप्त पृष्ठे गये ,रविदर ने बताया कि भविष्य के बारे में अभी ज्यादा सीवा नहीं है , अभी जींद्र करेगी , करियर ग्रो

#### अब तक का सबसे बडा पैकेज : युनिवर्सिटी

रविंदर की इस उपलब्धि पर युनिवर्सिटी के प्लेसमेंट विभाग के डीन हिमाग सिना ने कहा कि यह उपलब्धि उसके कौशत और समर्पण को दिखाता है, इंटर्नीश्रम के दौरान उसे प्रति माह 30 हजार

बेटियों को उपलक्षि 🕨 बीबीए व बीकॉम की छात्राओं को अब तक का सर्वाधिक ऑफर

## अरका जैन विवि की छात्राओं को 10 लाख का पै

वरीय संवाददाता 🔈 जमशेदपुर

रम्हरिया स्थित अरका जैन यनिवर्सिटी ने कैपस प्लेसमेंट में एक कीर्तिमान स्थापित किया है. विश्व की सर्वोच्च एड्टेक कंपनी बायजुस ने आका जैन युनिवसिंटी में ऑनलाइन कैपस सेलेक्सन डाइव चलाया, जिसमें ऑतम रूप से चार छात्राओं ( संजना कमारी, अलीना शफीक, कोमल कुमारी लेवा पांडेब ) का चवन किवा

मिल गयो. 29 सितंबर को सभी ज्वाइन कर सी हैं, कैंपस इष्टब में बावजस के विकटमेंट हेड सहास मौजद थे. इस परी प्रक्रिया में युनिवर्सिटी के टेनिंग एंड प्लेसमेंट ऑफिसर्स गहल रेज, शशिकांत शर्मा व जेवा बख्तिबार की अहम भूमिका रही, गौरतलब है कि करीब 65,000 करोड़ रुपये की नेट वैल्यू वाली कंपनी बायजुस की ओर से कंपनी के बैंगलोर स्थित हेड ऑफिस में करीब 9000 कर्मचारी काम कर

#### बी-कॉम की तीन, बीबीए की एक छात्रा का चयन



रामोकर बीजे कोगेज कात में भागी भारती कारा

#### छात्राएं बोली शब्दों में बयां नहीं कर सकती खुशी छात्रओं ने बताया कि अभी-

अभी उन्होंने ग्रेजुएशन पास किया , ग्रेजुएशन पास करने के साब ही 10 लाख रुपये के पैकेज पर नौकरी मिलना एक सपने के जैसा है , उन्होंने

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**WIPRO PARI** 

## Get **SPORTSPERSONIFIED!**

ARKA JAIN University is at the forefront with regard to encouraging its students to participate in sports events, both in the University and outside. For this, the university provides every possible support. The students have made us proud by participating and winning many inter-university sports competitions at state and even national levels. Some of them have represented the state of Jharkhand in such categories as U-19 table tennis and cricket, that too in the female category.

The University offers scholarships during admission based on performance in sports as well as helps athletes who compete at state, national or international levels.

Runbhoomi, the annual sports meet witnesses outstanding performances from all the Schools of the university in various indoor and outdoor sporting events. Runbhoomi 2023 was organized as per the Fit India initiative of Government of India.



## Notable Alumni of the **THE JAIN GROUP**





INTERNATIONAL CRICKET PLAYER

**MANISH PANDEY** INTERNATIONAL CRICKET PLAYER



**ROBIN UTHAPPA** 



**KARUN NAIR** 

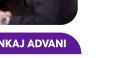
INTERNATIONAL CRICKET PLAYER INTERNATIONAL CRICKET PLAYER



**VARUN AARON** 



PANKAJ ADVANI INTERNATIONAL BILLIARDS CHAMPION





**ROHAN BOPANNA** 

INDIAN TENNIS PLAYER



SHIKHA TANDON

INTERNATIONAL SWIMMING CHAMPION

INTERNATIONAL CRICKET PLAYER

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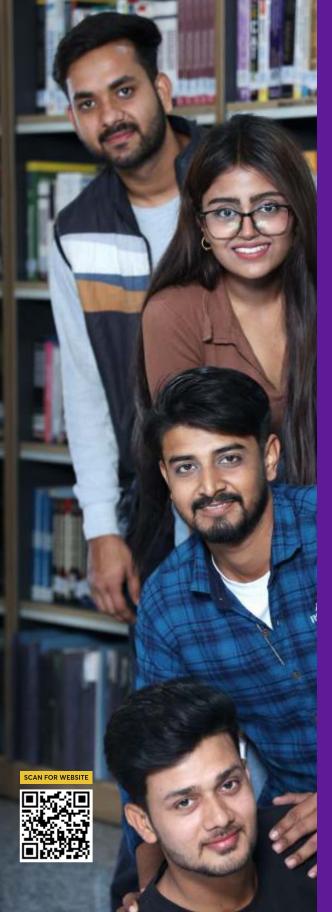
Outlook ICARE Rankings 2024, India's Best Colleges



Outlook ICARE Rankings 2023, India's Best Colleges



Outlook ICARE Rankings 2023, India's Best Colleges



### **Admission Process**

#### **OFFLINE MODE**

- Collect the Application Form and prospectus In-person by paying (General Category: Rs. 1000/-) & (SC/ST Category: Rs. 500/-) at the Admission Office.
- (Address: D-28, Danish Arcade, Opp Asian Inn Hotel, Dhatkidih, Jamshedpur, State – Jharkhand, Pin 831001 or University campus situated at opp. to Kerala Public school, Mohanpur, Gamharia, Dist.- Seraikela Kharsawan – 832108
- Phone- 0657 2220285 or Toll Free no- 1800-1200-200
- Submit the duly filled form along with the fees

#### **ONLINE MODE**

- Fill online form on our website www.arkajainuniversity.ac.in and Pay (General Category: Rs. 1000/-) & (SC/ST Category: Rs. 500/-) online.
- Download the dully filled application form and visit our admission office or university campus at the earliest.
- Once your documents are verified by University Admission Officer, pay the 1st Installment of the fees

## **Contact Details:**

**a** Landline Number: 0657-2220285

Control Toll Free Number: 1800 -1200-200

🕓 Whatsapp Number: 8406800562

**Website:** www.arkajainuniversity.ac.in

Email: admission@arkajainuniversity.ac.in

Admission Office: D-28, Danish Arcade, Opposite Asian Inn Hotel, Dhatkidih, Jamshedpur - 831001

Campus Address: Opposite Kerala Public School, Village - Mohanpur , Block - Gamharia, District - Seraikela Kharsawan, Jharkhand - 832108