



ARKA JAIN
University
Jharkhand



BACHELOR OF SCIENCE IN
B SC BIOTECHNOLOGY I
**B SC BIOTECHNOLOGY (HONOURS/
HONOURS WITH RESEARCH)**

AS PER NEP 2020

BACHELOR OF
OPTOMETRY



ENLISTED BY OPTOMETRY
COUNCIL OF INDIA (OCI)



MEMBER - ASSOCIATION OF
SCHOOLS & COLLEGES OF
OPTOMETRY (ASCO), INDIA

**SCHOOL OF
ALLIED HEALTH
SCIENCE**

APPLY FOR
AJUCET 2025

Join Us
ON YOUR JOURNEY

To Success!



ABOUT

ARKA JAIN UNIVERSITY

ARKA JAIN University was established in the year 2017 by the Jharkhand State Legislature under "The ARKA JAIN University Act" and is recognized by UGC.

Located in the tribal district Seraikela-Kharsawan, it is the first state private university in the Kolhan region (comprising of three districts) of the state.

Accredited with NAAC 'A' Grade in the first cycle, the first state private university in Bihar, Jharkhand and West Bengal to have this distinction.

The University has its root in the prestigious JAIN Group of Institutions, Bengaluru which has 77-plus educational institutions under its fold.

It is mentored by JAIN (Deemed-to-Be-University), Bengaluru, a NAAC A++ and NIRF Top-100 HEI.

The university has the necessary affiliations, recognitions and memberships from different bodies such as **AICTE, BCI, PCI, OCI, INC, JNRC, AIU, ASCO.**

1

ILLUSTRIOUS LEGACY

ARKA JAIN University is part of the famed JAIN Group of Institutions, Bengaluru and mentored by JAIN (Deemed-to-be-University), Bengaluru

2

WHAT EMBODIES OUR IDENTITY

NAAC-A Grade Accreditation, Academic Excellence, Diverse Program Options, Industry-ready Graduates – We have'em All!

3

NAAC A GRADE

Accredited with A Grade by NAAC in the first cycle with a CGPA Score of 3.15 / 4.0

4

52ND BEST PRIVATE UNIVERSITY IN INDIA

in the India Today-MDRA Best Universities 2024 Rankings!

5

38TH BEST PRIVATE UNIVERSITY IN INDIA

in the latest THE WEEK-Hansa Research Best Universities Survey 2025

6

ISO-CERTIFIED

ISO 21001:2018 Certified "Educational Organization Management System" University

7

AIU MEMBER

Member of Association of Indian Universities

8

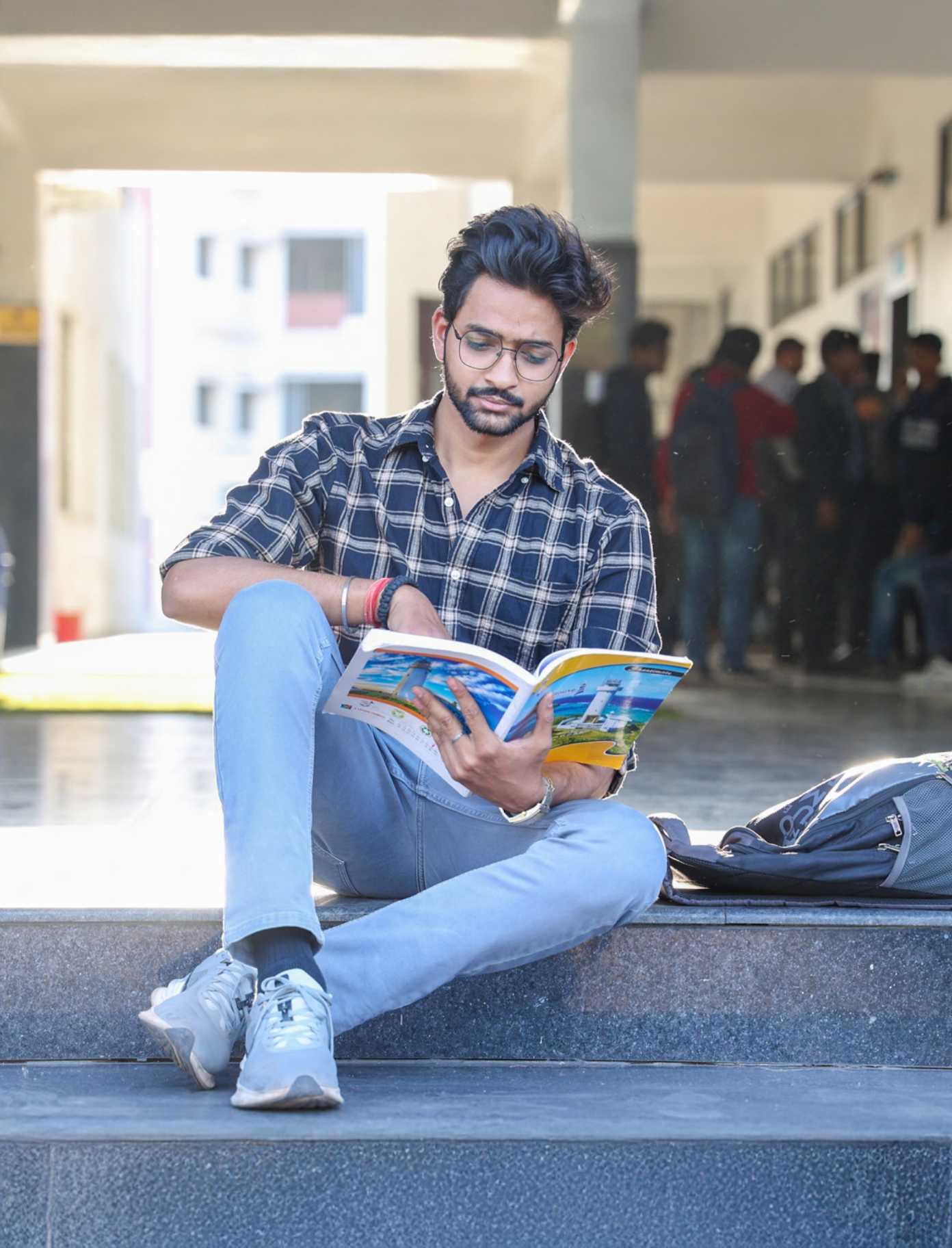
60+ MOUS

Learn from the best, network with the brightest

9

Robust Campus Recruitment

₹ 23 LPA Highest Package, 2500+ Placements and 500+ Companies visited till date





REASONS TO BE A PART OF **ARKA JAIN UNIVERSITY**

- 1 First NAAC 'A' Grade Accredited State Private University (in the First Cycle) in Bihar, Jharkhand & West Bengal.
- 2 Part of the JAIN Group of Institutions, Bengaluru; Mentored by NAAC A++ and NIRF-Top 100 JAIN (Deemed-to-be-University), Bengaluru
- 3 Member - Association of Indian Universities (AIU)
- 4 60+ MOUs (International & National) with Corporate and Academic Partners
- 5 ISO 21001:2018 Certified "Educational Organization Management System" University

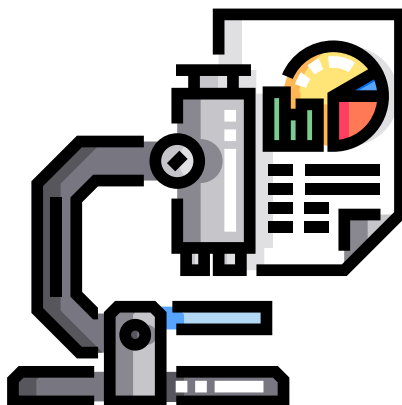
SCHOOL OF ALLIED HEALTH SCIENCE

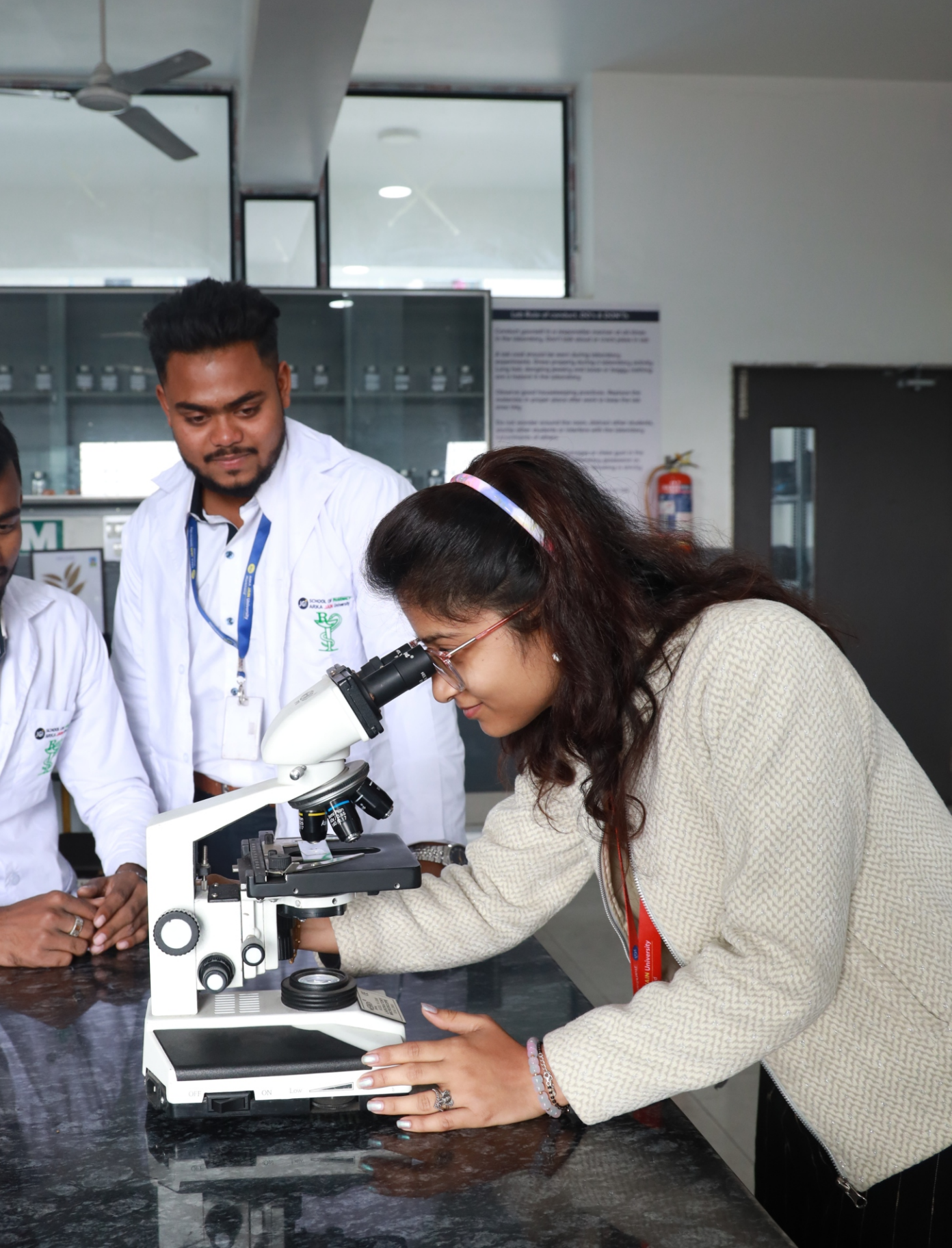
EMPOWERING FUTURE HEALTHCARE & BIOTECH PROFESSIONALS

The School of Allied Health Science at ARKA JAIN University is committed to delivering skill-oriented, industry-relevant education that bridges theory with hands-on practice. With specialized programs in Biotechnology and Optometry, the school prepares students for dynamic careers through a research-driven teaching-learning ecosystem. The curriculum is meticulously designed to foster lifelong learning, critical thinking, and leadership skills, enabling graduates to thrive in both clinical and research environments. Our focus on experiential learning ensures that students are not only academically proficient but also professionally prepared to contribute meaningfully to the evolving landscape of healthcare and life sciences.

DRIVING ACADEMIC EXCELLENCE THROUGH COLLABORATION AND INNOVATION

The School is a dynamic academic unit driven by a team of highly qualified, experienced, and passionate faculty and staff from diverse disciplines. United in their commitment to academic excellence, they actively engage in interdisciplinary collaboration, innovative teaching methodologies, and impactful research. With a strong focus on continuous development, the team fosters a culture of inquiry, critical thinking, and knowledge creation — empowering students to grow both intellectually and professionally. Their collective efforts are aimed at nurturing future-ready graduates equipped to meet global challenges with confidence and competence.





B OPTOMETRY



ABOUT THE DEPARTMENT

The Department of Optometry at School of Allied Health Science stands as a beacon of academic and clinical excellence in the field of vision science and eye care. Recognized and enlisted by the Optometry Council of India (OCI) and a proud member of the Association of Schools & Colleges of Optometry (ASCO), India, the department is dedicated to nurturing the next generation of primary eye care professionals. The department offers a comprehensive 4-year full-time Bachelor of Optometry (B. Optom) degree program, which is meticulously designed to combine theoretical depth with practical exposure. The curriculum is aligned with national competency standards and industry expectations, covering a wide spectrum of subjects. Students gain early clinical exposure through a structured series of lab-based training and observational visits, progressively transitioning into hands-on patient care. The final two semesters are dedicated to full-time internships at reputed eye hospitals, clinics, or vision centers, where students work alongside ophthalmologists and senior optometrists, applying their learning to real-world scenarios. The department is equipped with modern optometry labs, refraction units, and diagnostic equipment, enabling students to build strong diagnostic, therapeutic, and patient management skills. Faculty members are highly qualified, experienced, and actively involved in research and professional development, ensuring that the academic delivery is both current and impactful.

OBJECTIVES OF THE DEPARTMENT

- **PROMOTE EYE HEALTH AWARENESS** : To educate students, faculty, and the wider community on the significance of eye health and vision care through interactive workshops, seminars, and outreach initiatives.
- **STRENGTHEN COMMUNITY ENGAGEMENT** : To collaborate with local healthcare providers, NGOs, and optometry organizations in delivering accessible eye care services and resources.
- **DRIVE PREVENTIVE EYE CARE CAMPAIGNS** : To organize awareness drives and educational campaigns focused on early detection, prevention, and management of common eye conditions.
- **FOSTER RESEARCH AND INNOVATION** : To encourage research activities and global collaborations aimed at advancing practices in vision science and improving community eye care outcomes.





DEPARTMENTAL RECOGNITION

ASG Hospital Private Limited has recognized the Department of Optometry, School of Allied Health Science, ARKA JAIN University, Jharkhand, India as a Center to provide quality education in the field of optometry and for pursuing joint research and other knowledge-based activities



ABOUT OPTOMETRY AND OPTOMETRISTS

- Optometry is a dynamic, independent healthcare profession dedicated to the examination, diagnosis, management, and treatment of visual disorders and eye diseases.
- In a country like India, where more than 300 million individuals lack access to adequate vision correction, the demand of over 100000 well trained Optometrist becomes increasingly apparent.
- As primary eye care providers, optometrists play a critical role not only in correcting refractive errors through lenses, prisms, or vision therapy, but also in identifying early signs of systemic conditions such as diabetes, hypertension, and thyroid disorders through ocular symptoms.
- Their work is essential in detecting vision-threatening diseases like cataracts, glaucoma, diabetic retinopathy, and age-related macular degeneration.
- Globally recognized as one of the top ten health professions, optometry offers immense scope and responsibility in both public health and clinical care.
- With a mission to eliminate uncorrected refractive errors — the leading cause of visual impairment worldwide — the Department of Optometry at AJU is committed to producing skilled, compassionate, and forward-thinking practitioners equipped to meet the growing demand for quality eye care services.

ABOUT THE PROGRAM

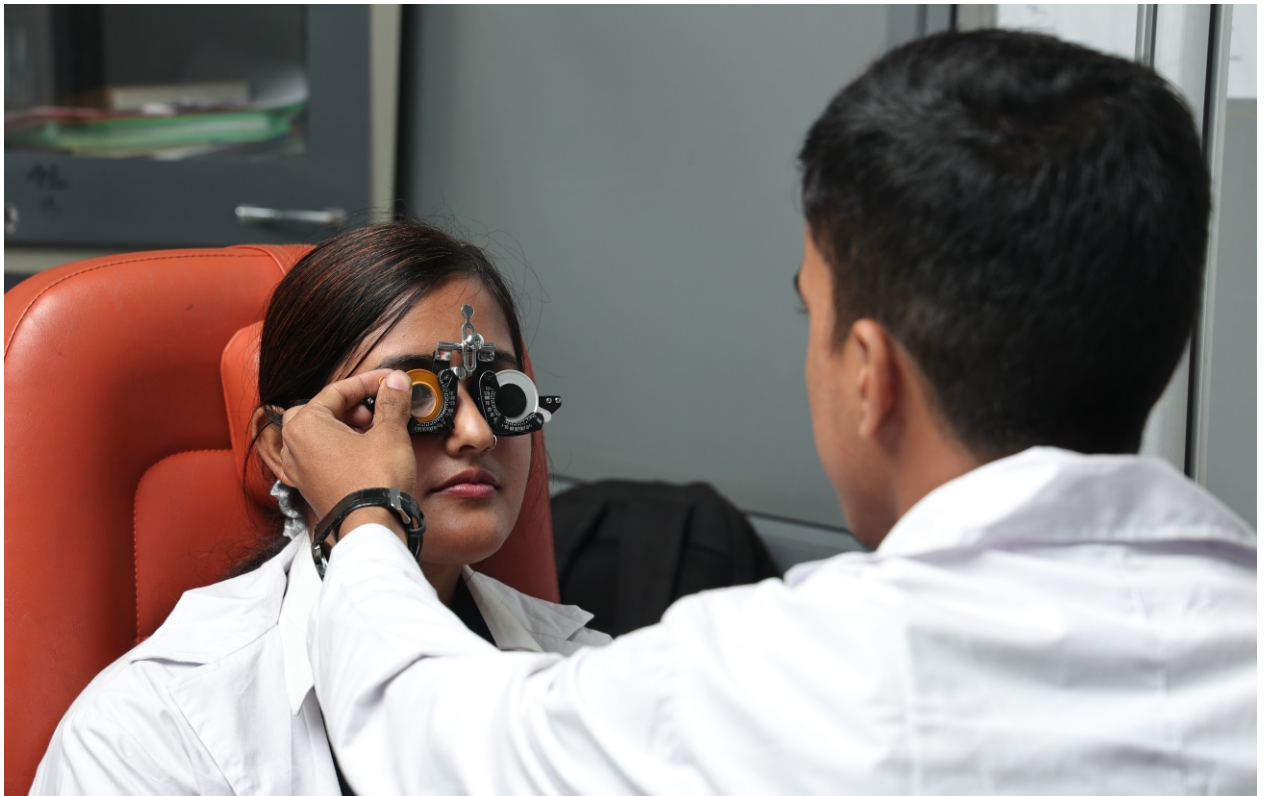
- Join a future-focused 4-year Bachelor of Optometry program designed to build skilled and compassionate eye care professionals.
- Recognized and enlisted by the Optometry Council of India (OCI) and a proud member of the Association of Schools & Colleges of Optometry (ASCO), India.
- The program is aligned with Ministry of Health and Family Welfare (MoHFW) norms and blends science, clinical skills, and service.
- The curriculum covers optics, ocular diseases, vision therapy, contact lenses, and refraction techniques.
- Students receive hands-on training through labs, supervised clinical exposure, academic tours, field visits, and a full-year internship at reputed eye hospitals.
- Engagement through workshops, seminars, journal clubs, webinars, and community outreach programs such as eye camps.
- With a strong ethical foundation and real-world readiness, graduates step confidently into a profession that changes lives.

QUICK FACTS

- **Eligibility :** A candidate should have passed Senior Secondary Examination (10+2) with Science from any recognized Board and should have a valid score card of the entrance exam conducted by the university AJU-Combined Entrance Test (AJUCET) or Common University Entrance Test (CUET) by National Testing Agency (NTA).
- **Eligibility (Lateral Entry) :** A candidate should have passed Senior Secondary Examination (10+2) with Science from any recognized Board and should have a valid score card of the entrance exam conducted by the university AJU-Combined Entrance Test (AJUCET) or Common University Entrance Test (CUET) by National Testing Agency (NTA).
- **Duration :** 4 Years | 8 Semesters
- **Duration (Lateral Entry) :** 3 Years | 6 Semesters
- **Degree :** Awarded by ARKA JAIN University, Jharkhand

WHY CHOOSE ARKA JAIN UNIVERSITY FOR B. OPTOMETRY

- **RECOGNIZED & PROFESSIONALLY ALIGNED** : The program is recognized and enlisted by the Optometry Council of India (OCI) and the department is a proud member of ASCO, India, ensuring national and professional credibility.
 - **COMPREHENSIVE CLINICAL TRAINING** : Students gain in-depth exposure across key domains such as refraction, contact lenses, ocular pathology, binocular vision, and low vision management, supported by supervised lab work and field-based learning.
 - **CONTEMPORARY CURRICULUM** : The curriculum is thoughtfully designed to promote self-directed learning, critical reasoning, and decision-making—equipping students to adapt to evolving trends in optometric care and practice.
 - **HANDS-ON LEARNING ENVIRONMENT** : Advanced optometry labs simulate real-time clinical scenarios, allowing students to build strong diagnostic and patient-handling skills with access to modern equipment and techniques.
- ACADEMIC-INDUSTRY ENGAGEMENT** : Regular seminars, webinars, industrial visits, academic tours and guest lectures by leading optometry professionals help students stay updated on innovations, best practices, and research developments in the field.
- COMMUNITY & RESEARCH EXPOSURE** : Participation in eye camps, public awareness drives, radio talks, journal clubs, and research projects instils professional ethics, social responsibility, and a research-oriented mindset.
- MoUs with **TEN LEADING INDUSTRY PLAYERS** for technical training and exposure.
- Active placement support through the AJU Training & Placement Cell.
 - Emphasis on nurturing creativity, curiosity, ethics, and leadership through various clubs and community outreach.



SOME OF THE COURSES OFFERED

Biochemistry | General and Ocular Physiology and Anatomy | Physical and Geometric Optics | Optometric and Visual Optics | Optometric Instruments | CEVS and Ocular Diseases | Microbiology | Pathology and Pharmacology | Medical Psychology | Systemic Diseases and Eye | Low Vision Aids | Geriatric Optometry and Paediatric Optometry | Contact Lens | Dispensing Optometry & Occupational Optometry | Binocular Vision | Clinics and Specialities | Law and Optometry | Research Methodology & Biostatistics

DIFFERENT SPECIALITIES

- Cornea and Contact lenses
- Low Vision Rehabilitation
- Binocular Vision & Orthoptics Ocular
- Prosthesis Occupational & Sports Vision
- Public Health & Community Optometry
- Vision Therapy
- Behavioural Optometry

IKSHANA - OPTOMETRY CLUB

"Ikshana," the Optometry Club under the Department of Optometry, School of Allied Health Science, is dedicated to promoting awareness on eye health and vision care. Through interactive workshops, insightful seminars, and community outreach initiatives, the club educates students and staff on the significance of maintaining optimal visual wellness.



CAREER PROSPECTS AFTER B OPTOMETRY

- **CLINICAL OPTOMETRIST** : Work in hospitals, clinics, or private setups offering primary eye care and vision correction services.
- **OPTICAL RETAIL CHAINS** : Join top brands like Lenskart, Titan Eye+, and GKB Optical as in-house optometrists or consultants.
- **VISION SCIENCE RESEARCH** : Engage in research roles with institutes or eye care companies focusing on ocular health innovations.
- **SPECIALTY EYE HOSPITALS & NGOs** : Serve in reputed organizations like LV Prasad Eye Institute or Trilochan Netralaya, providing community eye care.
- **HIGHER EDUCATION** : Pursue M.Optom, MBA (Hospital Admin), or certifications in contact lenses, pediatric optometry, etc.
- **ACADEMIA** : Teach and train future optometrists by joining optometry institutes as faculty or clinical instructors.
- **GLOBAL CAREERS** : Explore international opportunities in countries with high demand for qualified optometrists.
- **VISION THERAPY** : Work in neuro-optometric rehab, helping patients with visual disorders and special needs.

STUDENTS' ACHIEVEMENTS



IQRA HASHMI - from 1st semester B.Optomety bagged the 1st prize in poetry competition on the occasion of HINDI MAHOTSVA Organised by Srinath University, Jamshedpur.



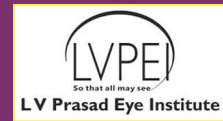
IQRA HASHMI (1ST SEM) & AKANSHA KUMARI (3RD YEAR) - won the quiz competition at Bengal Optometry Conference 2023

100% PLACEMENT

FOR ALL THE OUTGOING BATCHES (2019-23, 2020-24, AND 2021-25) STANDS AS
A STRONG TESTIMONY TO THE DEPARTMENT'S ACADEMIC EXCELLENCE
AND INDUSTRY READINESS.



PARTIAL LIST OF RECRUITERS



MOU PARTNERS

Through strategic partnerships with leading eye care organizations, the Department of Optometry provides students with enhanced learning opportunities, real-world experience, and pathways to professional excellence.



BEST PRACTICES



SENSITIZING NEIGHBOURHOOD COMMUNITIES THROUGH VARIOUS EYE CAMPS



SENSITIZING STUDENTS ABOUT SOCIAL RESPONSIBILITIES

ENRICHING EXPOSURE

INDUSTRIAL-CUM-ACADEMIC TOUR TO PREMIER EYE CARE INSTITUTIONS



INDUSTRIAL-CUM-ACADEMIC TOUR -
TRILOCHAN NETRALAYA,
SAMBALPUR, ODISHA

INDUSTRIAL-CUM-ACADEMIC TOUR -
L. V. PRASAD EYE INSTITUTE,
BHUBANESWAR, ODISHA.

AJUCON OPTOMETRY SUMMIT 1.0 -

SHAPING THE FUTURE OF EYE CARE



CELEBRATIONS FOR A HEALTHIER TOMORROW



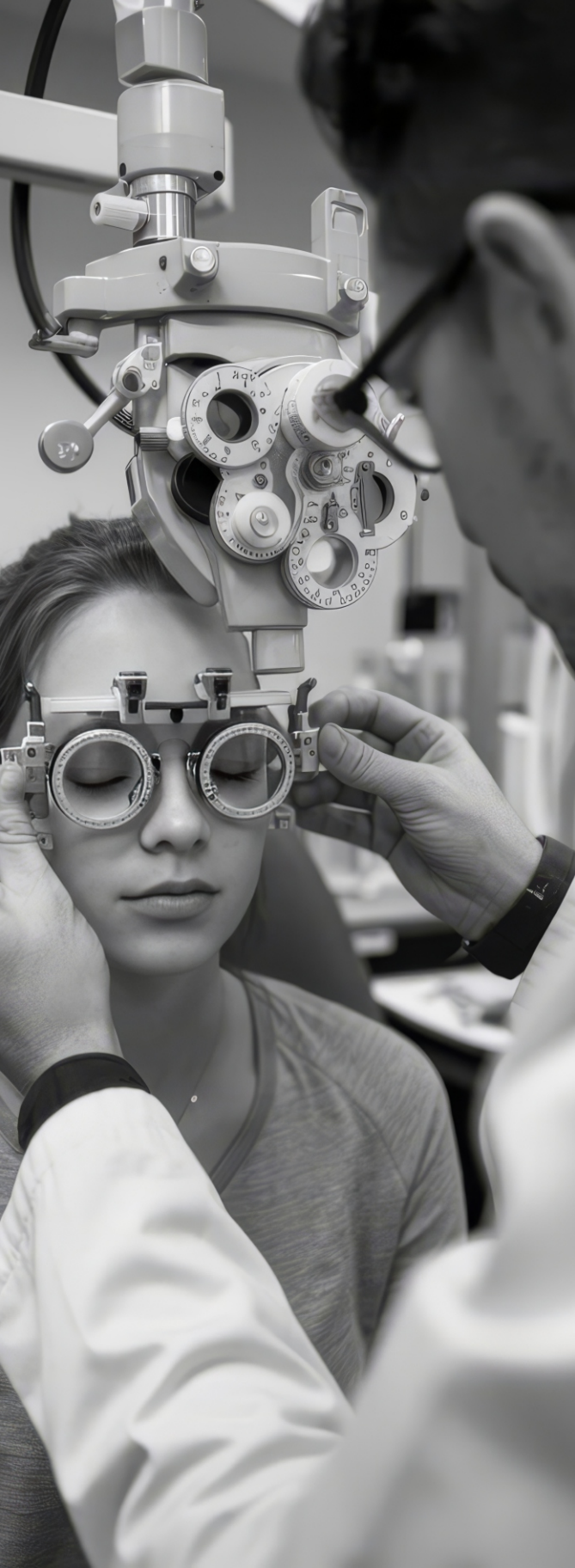
WORLD OPTOMETRY DAY CELEBRATION



WORLD EYE SIGHT DAY CELEBRATION



CELEBRATING WORLD KINDNESS DAY THROUGH MULYA PRAVAH: AN INITIATIVE UNDER UNIVERSAL HUMAN VALUES



VISIONARIES BEYOND THE LENS: PROUD ALUMNI SHAPING THE FUTURE OF EYE CARE



RAJ NILANSHU

Consultant Optometrist,
Centre for Sight, Ranchi



RAHUL RAJ SHARMA

Consultant Optometrist,
LV Prasad Eye Institute,
Hyderabad



SABAHAT ZIA

Tata Main Hospital,
Jamshedpur



APARNA KUMARI

Nandadeep eye hospital,
Maharashtra



DEBASIS MAHATO

Consultant Optometrist,
Trilochan Netralaya,
Odisha



NAUSHAD AHMAD

Consultant Optometrist &
Entrepreneur, Advance Eye Care
Clinic, Uttar Pradesh



KRITIKA RAO

Consultant Optometrist
CEO & Founder, K. Rishiram Eye
Care Center, Jamshedpur

PROGRAM STRUCTURE

THE B OPTOMETRY PROGRAM CONSISTS OF 8 SEMESTERS

SEMESTER I

Anatomy
Physiology
Biochemistry
G. Optics
English

SEMESTER II

Ocular Anatomy
Ocular Physiology
Ocular Biochemistry
Physical Optics
Geometrical Optics-2
Basics of Computer
Clinical Optometry-1

SEMESTER - III

Ocular Microbiology
Visual Optics-1
Optometric Optics-1
Optometric Instruments
Ocular disease-1
Clinical examination of Visual system
Indian Medicine and Telemedicine
Clinical Optometry-2

SEMESTER - IV

Optometric Optics-2 & Dispensing Optics
Visual Optics-2
Ocular disease-2 & Glaucoma
Pathology
Basic & Ocular Pharmacology
Introduction to Quality & Patient safety
Medical Psychology
Clinical Optometry-3

SEMESTER - V

Contact Lens-1
Low Vision Care
Geriatric Optometry & Pediatric Optometry
Binocular Vision-1
Systemic Disease
Research Methodology & Biostatistics
Clinical Optometry-4

SEMESTER - VI

Contact lens-2
Binocular vision-2
Publichealth& Community Optometry
Practice management
Occupational Optometry
Medical Law & Ethics
Research project-1
Clinical Optometry-5

SEMESTERS -VII & VIII

Internship-7
Internship-8
Research Project-2
Research Project-3



B SC BIOTECHNOLOGY | B SC BIOTECHNOLOGY (HONOURS/ HONOURS WITH RESEARCH)

AS PER NEP 2020

ABOUT THE DEPARTMENT

The Department of Biotechnology at ARKA JAIN University is a thriving academic and research hub committed to shaping future-ready professionals in the field of biological sciences. Functioning under the School of Allied Health Sciences, the department offers a comprehensive B.Sc. Biotechnology program that blends theoretical foundations with practical expertise.

The curriculum is designed to foster interdisciplinary learning. Emphasis is laid on experiential learning through well-equipped laboratories, field visits, research-based projects, and collaborative industry engagement.

The department works towards equipping students with hands-on laboratory skills, analytical thinking, and scientific reasoning essential to excel in diverse biotechnology sectors — including healthcare, agriculture, pharmaceuticals, food processing, and environmental sciences.

A committed faculty team — comprising experienced researchers and academic experts — guides students through a learning journey that promotes scientific curiosity, innovation, and ethical responsibility.

With an aim to prepare graduates for career excellence and higher education, the Department ensures industry-aligned teaching, mentorship, and opportunities for internships, research, and entrepreneurship.

OBJECTIVES OF THE DEPARTMENT

- To foster a strong academic and research foundation in biotechnology through a balanced integration of theory, laboratory work, and field exposure.
- To equip students with interdisciplinary knowledge and technical skills in areas such as molecular biology, microbiology, biochemistry, and bioinformatics.
- To promote scientific temper and critical thinking through research projects, review writing, and hands-on training.
- To collaborate with industry and research organizations for internships, industrial visits, and knowledge-sharing platforms.
- To encourage ethical practices, biosafety awareness, and sustainable biotechnological solutions for societal and environmental challenges.
- To engage students in social outreach, environmental awareness drives, and collaborative initiatives under the flagship of NSS and allied programs.
- To support higher education aspirations and guide students toward career readiness through seminars, mentoring, and extension activities.







QUICK FACTS

- **ELIGIBILITY** : A candidate should have passed Senior Secondary Examination (10+2) with Science from any recognized Board and should have a valid score card of the entrance exam conducted by the university AJU-Combined Entrance Test (AJUCET) or Common University Entrance Test (CUET) by National Testing Agency (NTA).
- **DURATION** : 3+1 Years | 6+2 Semesters
- **DEGREE** : Awarded by ARKA JAIN University, Jharkhand

B SC BIOTECHNOLOGY | B SC BIOTECHNOLOGY (HONOURS/ HONOURS WITH RESEARCH) - 3+1 YEARS

AS PER NEP 2020

- Designed in alignment with the Four-Year Undergraduate Program (FYUGP) framework as outlined in the National Education Policy (NEP) 2020.
- Tailor your academic experience over 3+1 years while acquiring relevant skills and knowledge.
- Students can exit after 3 years with a B Sc Biotechnology or B Sc Biotechnology Honours Degree
- 4th Year is optional, leading to B Sc Biotechnology (Honours with Research) Degree
- After 4 years, students may go for 1-year master's degree (Lateral Entry)

WHY CHOOSE ARKA JAIN UNIVERSITY FOR B.SC. BIOTECHNOLOGY

- The B.Sc. Biotechnology program at ARKA JAIN University is NEP 2020-aligned, offering a perfect blend of core concepts and practical skills essential for today's bioscience professionals.
- **COMPREHENSIVE CURRICULUM** : Covers Cell & Molecular Biology, Biochemistry, Microbiology, along with skill-based subjects like Bioinformatics, Biostatistics, and Environmental Biotechnology.
- **HANDS-ON LEARNING** : Emphasis on lab work, mini-projects, and real-world applications through workshops and field visits.
- **INDUSTRY EXPOSURE** : Strong industry linkages through MoUs enable expert sessions, internships, and industrial visits.
- **RESEARCH & INNOVATION** : Focus on critical thinking and research via review writing, expert lectures, and value-added courses.
- **EXPERT MENTORSHIP** : Learn under experienced faculty committed to student growth and academic excellence.

Step into the world of Biotechnology with ARKA JAIN University — where science meets innovation.

The Department of Biotechnology leads the CII Young Indians (Yi) Chapter at ARKA JAIN University — a campus-wide initiative that engages students in nation-building through awareness campaigns, social welfare drives, and youth-focused dialogues on issues that matter.



ABOUT THE PROGRAM

- The B.Sc. Biotechnology program at ARKA JAIN University offers a well-rounded course curriculum that integrates hands-on laboratory training with experiential and participative teaching-learning methodologies. Designed to prepare students for diverse job opportunities and leadership roles, the program bridges core scientific knowledge with practical application.
- Covering key domains such as Life Sciences, Chemistry, Biostatistics, Bioprocess Engineering, Bioinformatics, and Bio-entrepreneurship, the program focuses on developing scientific innovations that contribute meaningfully to society. One of its standout features is its multidisciplinary approach, enabling graduates to address complex challenges in cutting-edge fields like medicine and healthcare, agriculture and agroforestry, the food and beverage industry, pharmaceuticals, and quality control.
- The program equips students with strong analytical thinking, domain-specific competencies, and effective problem-solving skills. Backed by a dedicated team of qualified, experienced, and industry-aware faculty members, the Department of Biotechnology is committed to nurturing the next generation of bioscience professionals



ENRICHING BEYOND THE CURRICULUM : HALLMARKS OF THE B.SC. BIOTECHNOLOGY PROGRAM

- Fostering Critical Thinking through mini projects that involve research or review article writing, encouraging analytical and scientific inquiry.
- Sharpening Communication Skills via structured PowerPoint presentations, group discussions, and scientific discourse.
- Environmental Consciousness is instilled through modules addressing ecological concerns and sustainable development practices.
- Ongoing Curriculum Enrichment through expert lecture series, hands-on workshops, and value-added certification courses.
- Exposure to Entrepreneurship and industry operations through field visits and meaningful extension activities.
- Holistic Development via active participation in social outreach programs under the aegis of NSS.
- Ethical Awareness is embedded with a strong emphasis on Bioethics and adherence to Biosafety guidelines.
- Vibrant Campus Life enriched through cultural events, festivals, and celebrations that foster inclusivity and student engagement.

CAREER AVENUES AFTER B.SC. BIOTECHNOLOGY

Step into a future driven by science, innovation, and impact. Graduates of B.Sc. Biotechnology from ARKA JAIN University are equipped to pursue rewarding roles in:

- **HEALTHCARE & RESEARCH** : Microbiologist | Biochemist | Epidemiologist | Diagnostics Expert | Biomedical Analyst
- **INDUSTRY & INNOVATION** : Biomanufacturing Specialist | Quality Control Officer | Pharmaceutical Associate | Biotechnology Analyst
- **AGRO & ENVIRONMENTAL SECTORS** : Agriculture Technologist | Environmental Consultant | Horticulture Expert | Animal Husbandry Officer
- **FOOD & ALLIED FIELDS** : Food & Beverage Quality Expert | Forensic Science Assistant | Textile Industry Consultant

Graduates can also explore roles in hospitals, R&D labs, government agencies, and start-ups — making real-world impact in medicine, sustainability, and beyond.

STUDENT CLUBS IN DEPARTMENT OF BIOTECHNOLOGY:

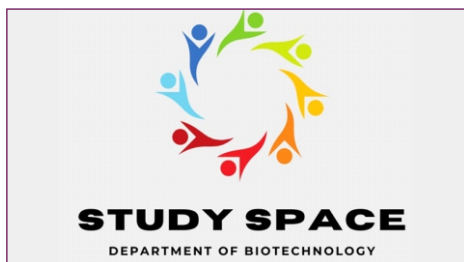
Through strategic partnerships with leading eye care organizations, the Department of Optometry provides students with enhanced learning opportunities, real-world experience, and pathways to professional excellence.



BIOTECH WIZARDS : Hands-on learning through industrial visits, virtual lab tours of leading biotech and pharmaceutical companies, and skill-building in research and review article writing.



THE CREATIVE POD : Design & Art, Creative Content Writing (Science & Fiction), Social Media Content Creation



STUDY SPACE : Dedicated support for higher education preparation and personalized guidance for slow learners to help them thrive academically.



SOCIAL SYNERGY : Active participation in extension and community outreach initiatives in collaboration with NSS, fostering social responsibility and civic engagement.

INDUSTRY-ACADEMIA COLLABORATIONS: EMPOWERING INNOVATION & EXPOSURE

MOU PARTNERS:

LifeSenz

Scientific Perspective Towards a New Hope
An ISO 9001:2015 Certified Company

LIFESENZ CANCER RESEARCH LABS, MUMBAI

Collaboration for hands-on exposure in cutting-edge cancer research, diagnostics, and biotechnological innovations, preparing students for high-impact roles in healthcare and life sciences.



ORGANOPONIX PRIVATE LIMITED, BHUBANESWAR, ODISHA

Design & Art, Creative Content Writing (Science & Fiction), Social Media Content Creation



PIONEERS OF PROGRESS — OUR ALUMNI, OUR PRIDE



NAIMA SHAFI

Batch 2021-24
In-flight Service & Hospitality
Etihad, Abu Dhabi



SULAGNA MITRA

Batch 2020-23
Senior HR Recruiter
2COMS Pvt. Ltd., Kolkata



AASTHA PANDEY

Batch 2021-24
MEDIKABAZAAR
(Boston Ivy Healthcare Solutions Pvt Ltd)



HIMANSHU CHANDRA SEN

B. SC. BIOTECHNOLOGY (BATCH 2022-25),
NCC Cadet - Attended prestigious 12-Day
Thal Sainik Camp (TSC) at Ranchi
representing NCC 8/37 Battalion -
Jamshedpur



DARSHAN KUMAR

MEDIKABAZAAR
(Boston Ivy Healthcare Solutions Pvt Ltd)



BEYOND THE MICROSCOPE

FESTS, FUNCTIONS, INDUSTRY VISITS,
SEMINARS & AWARENESS CAMPAIGNS
THAT INSPIRE!



EARTH DAY CELEBRATION



AWARENESS RALLY ON WORLD AIDS DAY, IN
ASSOCIATION WITH AJU NSS



SCIENCE DAY CELEBRATION



INDUSTRIAL VISIT - TASAR HANDCRAFT & HANDLOOM
CENTRE, KHARSAWAN



FOOD STALL BY DEPARTMENT STUDENTS
DURING ROSHNI - THE FESTIVAL OF LIGHTS



SEMINAR ON MENTAL HEALTH AWARENESS



ROOBAROO - WELCOME FUNCTION FOR THE
FIRST-YEAR STUDENTS



SEMINAR ON ENVIRONMENTAL ISSUES & SUSTAINABLE DEVELOPMENT



VISIT TO TRIBAL CULTURE CENTRE



TRAFFIC AWARENESS PROGRAM, IN ASSOCIATION WITH AJU NCC



PRE-CHRISTMAS AND NEW YEAR CELEBRATION



AIDS AWARENESS INITIATIVE AT ICCHAPUR VILLAGE



SESSION ON CAREER PROSPECTS AFTER BIOTECHNOLOGY



INDUCTION-ORIENTATION PROGRAM FOR NEW STUDENTS



INDUSTRIAL VISIT TO SUDHA DAIRY



PROGRAM STRUCTURE

- The B Sc Biotechnology I B Sc Biotechnology (Honours/ Honours with Research) Program consists of 6+2* Semesters.
- Student has the option to graduate with B Sc Biotechnology I B Sc Biotechnology (Honours) degree after Six Semesters
- *7th and 8th Semesters are optional, leading to B Sc Biotechnology (Honours with Research) Degree.
- During the 7th and 8th Semesters, students would go for research project and rigorous internship along with dedicated courses (details would be shared subsequently).

SEMESTER I

Biochemistry & Metabolism
Biochemistry & Metabolism Practical
Cell Biology
Cell Biology Practical
Mammalian Physiology
Mammalian Physiology (Practical)
English
Biotechnology and Human Welfare

SEMESTER II

Genetics
Genetics Practical
General Microbiology
General Microbiology (Practical)
Plant Physiology
Plant Physiology (Practical)
Environmental Studies
Entrepreneurship Development

SEMESTER - III

Immunology
Immunology (Practical)
Bio Analytical Tools
Bio Analytical Tools (Practical)
Chemistry - 1
Chemistry – 1 (Practical)
Bioethics and Biosafety
Microbial Metabolism

SEMESTER - IV

Molecular Biology
Molecular Biology (Practical)
Bioprocess Technology
Bioprocess Technology (Practical)
Chemistry - 2
Chemistry – 2 (Practical)
Biostatistics
Molecular Diagnostics

SEMESTER - V

Recombinant DNA Technology
Recombinant DNA Technology (Practical)
Genomics and Proteomics
Genomics and Proteomics (Practical)
Animal Biotechnology
Animal Biotechnology (Practical)
Bioinformatics
Bioinformatics (Practical)

SEMESTER - VI

Plant Biotechnology
Plant Biotechnology (Practical)
Environmental Biotechnology
Environmental Biotechnology (Practical)
Project

VALUE ADDED COURSES - VIA

LinkedIn LEARNING

- LinkedIn Learning offers a world of opportunities for young and aspiring professionals, empowering them to acquire new skills and excel in their careers. Through a strategic partnership with LinkedIn, the JAIN Group of Institutions provides students access to a cutting-edge learning platform.
- With over 23,000 courses curated and delivered by industry experts, LinkedIn Learning equips you with the skills and competencies that are highly valued by enterprises. From language and literature to advanced professional skills, the courses are designed to pave a seamless path for your professional growth.

The flexible online format enables you to learn at your own pace, whether at home or on campus. Each course concludes

- with competency mapping to assess your learning and awards you a globally recognized certificate, enhancing your career prospects significantly.

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

- Business English
- Certification Microsoft Excel – Basic to Advance
- Social Media Marketing foundation
- Accounting Foundations: Managerial Accounting
- Business Analytics - Marketing
- Data Project Management
- Foundation Excel
- Essential Training
- Digital Marketing
- Foundation Google
- University Analytics
- Creating A Business Plan
- Speaking Confidently and effectively
- Business Analysis
- Foundation Leadership Foundation
- Learning Python
- Photography Foundations: Mobile Photography
- iPhone Photography: Shooting to Storytelling
- WordPress Essential Training
- Develop Your Finance and Accounting Skills
- Financial Accounting Foundations
- Entrepreneurship Foundation

LinkedIn LEARNING

**EARN GLOBALLY
RELEVANT CERTIFICATIONS**

**ADVANCE YOUR CAREER WITH
COURSES RECOGNIZED AND
VALUED BY THE INDUSTRY.**

VALUE ADDED COURSES - VIA

coursera
for campus

- Coursera is a renowned global online learning platform that provides access to a wide range of courses and degree programs from top universities and companies worldwide. Its highly sought-after e-certificates require a significant investment, reflecting their value and credibility in the industry.
- With partnerships spanning over 250 leading organizations and academic institutions, Coursera delivers flexible, job-focused online learning to individuals and organizations globally. The platform features a diverse catalog of nearly 12,000 content offerings, available in various formats and lengths, tailored to meet evolving market demands and skill requirements.
- Coursera's content is categorized into four primary learning types, designed to suit different learning needs and objectives:
- Guided Projects (3,300+) - Hands-on learning (30-60 mins) for real-world skills and tools
- Courses (8,100+) - Develop new skills by learning from a leading institution (university or industry partner) (3-4 weeks)
- Specializations (750+) - Build mastery of a skill via structured pathway (also known as a micro-credential), offered by universities or industry partners (typically 4-5 courses, or 8-12 weeks)
- Professional Certificates (140+) - Get job-ready for an in-demand career in less than a year through an industry micro-credential (typically 6-9 months). Many programs also provide a pathway to an industry-recognized certification.
- In addition, there are Clips (290,000+) Bite-sized content (5-10 mins), sourced from the courses, for just-in-time learning.

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

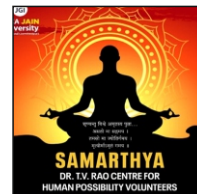
- Google AI Essentials
- IBM Data Science
- Python for everyone
- Strategic Leadership and Management
- AI for everyone
- Advanced data analytics
- Corporate communication
- Successful Interviewing
- Deep Learning
- Machine Learning
- Creating presentations via Canva
- Finding your professional voice: Confidence & Impact
- From Excel to Power BI
- Computer communication
- Creative thinking: Techniques and tools for success
- Business English Communication Skills
- Successful presentations

WITH COURSERA FOR CAMPUS, YOU CAN:

- Earn Globally Relevant Certifications
- Map Certifications with your degree at AJU
- Map with your subjects of the program and replace the classroom study with anytime study with Coursera for Campus
- Elevate your career with industry recognized courses

COMMITTEES, CENTRES, SOCIETIES, STUDENT CHAPTERS/ BRANCHES, CELLS, CLUBS, UNITS, COUNCILS

1. CENTRES



2.COMMITTEES

- INTERNAL COMPLAINTS COMMITTEE

3. CELLS

- INTERNAL QUALITY ASSURANCE CELL
- DISCIPLINE & ANTI RAGGING CELL
- STUDENT GRIEVANCE REDRESSAL CELL
- EQUAL OPPORTUNITY CELL
- ADMISSION FACILITATION CELL
- INDUSTRY INSTITUTE INTERACTION CELL
- TRAINING & PLACEMENT CELL
- RESEARCH AND DEVELOPMENT CELL
- AJU NYAY SAMARTHAN CELL – LEGAL AID & AWARENESS CELL (SCHOOL OF LAW)



4.COUNCILS



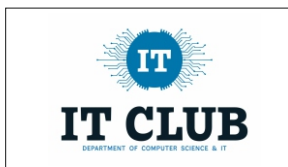
5. SOCIETIES



6.UNITS



7.CLUBS



8.STUDENT CHAPTERS/ BRANCHES



ADMISSION PROCESS

OFFLINE MODE

- Collect the Application Form and prospectus In-person by paying Rs. 1000/- (General Category) or Rs. 500/- (SC/ST Category) at the
- **Admission Office** - Address: D-28, Danish Arcade, Opp. Asian Inn Hotel, Dhatkidih, Jamshedpur, Jharkhand, Pin 831001 or **University campus** situated at Opposite to Kerala Public School, Mohanpur, Gamharia, Dist.- Seraikela Kharsawan, Jharkhand, Pin 832108
- Phone- 0657 2220285 or Toll-free No.- 7371037371
- 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 duly 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 first Installment of the fees

CONTACT DETAILS:



Landline Number: 0657-2220285



Toll Free Number: 7371037371



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

SCAN FOR WEBSITE

