

# Monthly Newsletter

By the AI Research Centre, Woxsen University

Welcome to the **AI Research Centre** at Woxsen University, a leading hub dedicated to pushing the boundaries of artificial intelligence research and innovation. Located within one of India's most dynamic academic ecosystems, the Centre is focused on leveraging AI to create transformative solutions that address real-world challenges and promote societal advancement. Our interdisciplinary team of professors, researchers, executive fellows, and students actively engages in cutting-edge work across areas such as machine learning, natural language processing, computer vision, robotics, blockchain, cybersecurity, and the metaverse. With a clear vision to become a globally recognized centre of excellence, we are committed to fostering ethical AI development, promoting interdisciplinary collaboration, and building impactful partnerships with industry, academia, and government. Through our mission-driven efforts, the AI Research Centre at Woxsen University is shaping the future of technology and empowering the next generation of innovators.



**AI RESEARCH  
CENTRE**  
Transforming the world with AI solutions

# AI Research Centre Earns Prestigious Global Recognition Award



The AI Research Centre at Woxsen University has achieved a significant milestone by receiving the Global Recognition Award 2026, marking its excellence in advancing artificial intelligence research and innovation. The award acknowledges the centre's unique approach of integrating academic research with real-world applications, which helps develop new technologies while preparing industries for their upcoming challenges. The center uses its successful projects and partnerships with businesses to establish itself as the main center for advanced artificial intelligence research and educational programs on future technologies.

# AIKP 2026: Advancing Global Collaboration in AI Research



The poster for AIKP 2026 features a dark blue background with white and orange text. At the top left, it displays the AIKP26 logo and the AI Research Centre logo. At the top right is the Woxsen University logo. The main title 'AIKP'26 | 6<sup>th</sup> International Conference on Artificial Intelligence and Knowledge Processing' is prominently displayed. Below the title, it states the dates '19 - 20 August 2026', the location 'Woxsen University, India', and the mode 'Hybrid'. A 'Call For Papers' button is present. The 'Conference Theme' is 'AI Horizons: Transforming Health, Systems, Society, and Sustainability'. The 'Conference Tracks' include AI for Precision Health, AI Systems, Models & Computational Methods, AI for Sustainable Systems, and AI for Human-Machine Collaboration and Societal Intelligence. The 'Conference Proceedings' section mentions publication in Springer's Communications in Computer and Information Science series. A 'Conference Tracks' section lists submission deadlines: Full Paper Submission (30<sup>th</sup> June, 2026), Notification of Acceptance (15<sup>th</sup> July, 2026), Camera-Ready Submission (20<sup>th</sup> July), and Registration Deadline (1<sup>st</sup> August, 2026). A QR code is provided for paper submission. The 'Early Bird Registration Deadline' is 15<sup>th</sup> June, 2026. The website 'https://aikip26.aircwou.in/' and contact email 'aikip@woxsen.edu.in' are listed. At the bottom, logos of partner institutions are shown: St. Thomas University, Rosario, NAAI, and Bar Al Heema University.

The AI Research Centre - Woxsen University announces the 6th International Conference on Artificial Intelligence and Knowledge Processing (AIKP 2026), which will gather researchers and educators and business professionals from around the world to examine advanced AI research. The conference aims to foster collaboration, knowledge exchange, and discussions on real-world applications of artificial intelligence. Through its partnerships with major international academic institutions AIKP 2026 demonstrates how interdisciplinary research and global collaboration have become essential for shaping the future of artificial intelligence.

## AI & Metaverse Guest Lecture Inspires Future Innovators



The AI Research Centre - Woxsen University hosted a guest lecture dedicated to Artificial Intelligence and the Metaverse which provided students with insights into emerging technologies that will shape future technological developments. The session showed actual uses of AI together with virtual reality and immersive technology which demonstrated present-day industry developments and job possibilities. The programs provide essential support for students to develop their ability to create new ideas while they learn from both academic institutions and real-world business experiences.

# Advancing Student Research Through Real-World Data Innovation



The AI Research Centre at Woxsen University demonstrates its commitment to research excellence through student participation in TQCEBT 2026 where they showcased their innovative data-based projects. The research developed solutions to real-world problems by utilizing SQL and DBMS and Power BI to produce practical results which addressed public transportation challenges and internship allocation systems.

The students used analytics to solve real-world problems which included monitoring passenger data and revenue and allocating internships based on skills. The students proved that technology improves decision-making and efficiency and institutional processes.



# Next-Gen Robotics Transforming Engineering Education

The AI Research Centre - Woxsen University shows an educational transformation through its use of advanced robotic systems which include humanoid robots and robotic dogs. Students learn through direct interaction with AI systems because the technology provides them with real-world experience of advanced AI systems. The method provides a practical link between theoretical concepts and their actual use which helps develop new ideas and effective solutions while students acquire skills from different academic fields.



Students learn to work with automation technologies and robotic systems and intelligent machines which will help them meet the future needs of the industry. Academic institutions transform into innovation centers through these programs which equip students with essential skills to succeed in automated and technology-rich environments.

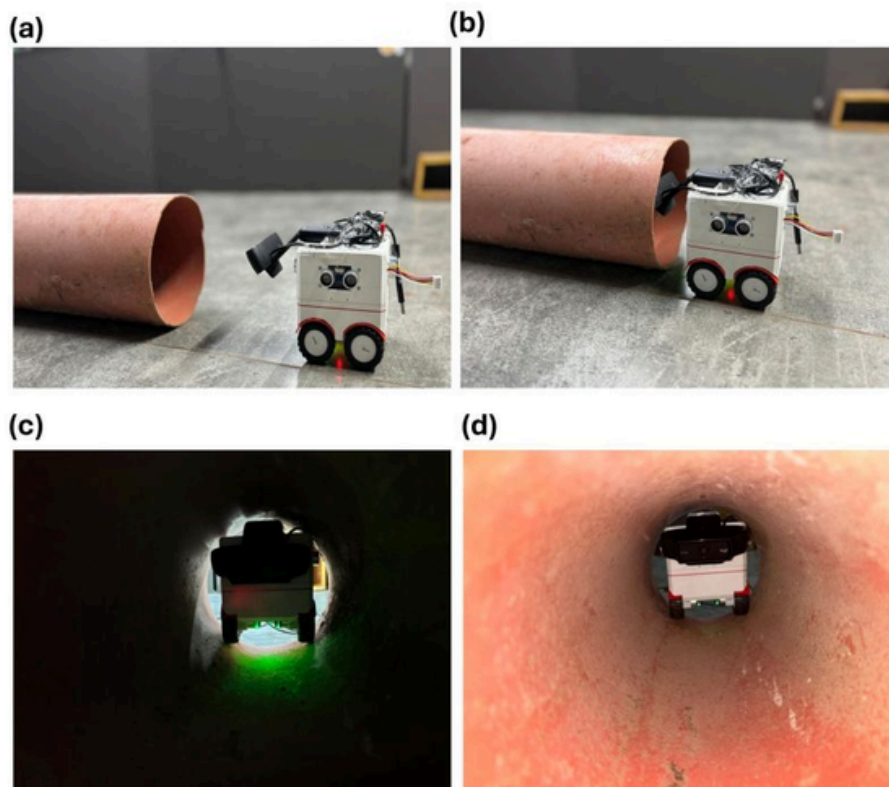
## From Student Innovation to Startup Success



The AI Research Centre at Woxsen University demonstrates its dedication to innovation through its programs which allow students to create actual solutions from their conceptual work. Students acquire essential skills through their participation in practical work and guidance from mentors and their ability to collaborate with others. Students use the "learning by doing" method to gain practical experience which helps them create successful business projects.

Alumni progress through their ventures which include startup creation and their work in advancing technological progress. Their accomplishments demonstrate how effectively the ecosystem supports development and strengthens resilience while building leadership qualities. The innovation process maintains its momentum because alumni return to serve as mentors while working with others to develop new ideas which lead to lasting business success.

## AI-Powered Swarm Robotics for Safer Pipeline Inspection



The AI- Research Center has developed its latest artificial intelligence product which shows how artificial intelligence works together with swarm robotics technology to improve pipeline inspection processes. The system implements multiple small robots equipped with sensors which operate as a swarm because they follow the natural patterns of ant colonies and bird flocks and do not require a main controller to manage their actions. The robotic swarms use local information sharing to create their navigation paths through pipeline systems while they monitor network performance and detect problems in real time. The solution solves a major industrial problem which requires workers to inspect dangerous restricted areas that humans cannot access because it is too dangerous. The use of autonomous robotic agents not only enhances safety but also improves accuracy and scalability compared to traditional inspection methods.

# Generative AI and the Future of Work

The screenshot shows a news article from Business World Education. At the top left is the NP NEWS ATROLLING logo. A banner for a 'WELCOME PACKAGE UP TO 150000 INR + 150 FS' is visible. The article title is 'AI May Reshape 1 In 3 Jobs: Report'. Below the title is a sub-headline: 'GLOBAL STUDY WITH WOXSSEN UNIVERSITY SAYS AI MAY IMPACT ONE IN THREE JOBS'. The article text begins with 'Hyderabad: As India prepares for large-scale workforce shifts driven by artificial intelligence, a new global study indicates that nearly one in three jobs could see over 50% of tasks augmented by Generative AI, signalling a structural transformation in how work is performed.' A large image of a stylized human brain with glowing circuitry is featured on the right side of the article.

The AI Research Centre at Woxsen University demonstrates that generative AI technology creates a new work environment by changing the ways people develop skills and produce work and work together with others. The development of AI tools which handle basic work tasks and help create content enables workers to dedicate their time to developing new ideas and planning and creating innovative solutions. The new system helps organizations to improve their operational work through human resource development which enables better economic results and more effective judgement processes. Workforce skill development has made generative AI a fundamental requirement because organizations use the technology across their operational processes. Employees now need to develop three main skill sets which support their ability to learn new things and adapt to job changes and handle artificial intelligence tools.

# AI-Driven Innovation Tackling Real-World Challenges

**AI RESEARCH CENTRE** **WOXXSEN UNIVERSITY**

**WHAT OUR CLIENTS HAVE ACHIEVED WITH AIRC:**

**Real Results Research-Backed Ready to Scale.**  
Trusted by industry leaders, Proven across sectors

<p><b>50%</b> reduction in support costs <b>Multilingual AI Chatbot</b></p>	<p><b>95%</b> accuracy <b>Real-time Cricket Ball Analytics</b></p>	<p><b>99%</b> biometric accuracy <b>Smart Attendance System</b></p>
<p><b>40%</b> savings in infrastructure <b>Enterprise Cloud Migration</b></p>	<p><b>70%</b> reduction in training costs <b>VR Training Simulations</b></p>	<p><b>50,000+</b> student enrollments <b>EdTech Platform Built by AIRC</b></p>

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The AI Research Centre - Woxxsen University developed AI solutions which solve genuine problems across different fields to showcase its dedication to creating useful innovations. Student projects which develop AI-powered drone systems for detecting crop diseases and autonomous systems for road monitoring demonstrate how emerging technologies can be used in agricultural and infrastructure development. The new technologies show how artificial intelligence combines with robotics and data analysis to create better operational performance and environmentally friendly practices and smarter decision-making. The students develop their technical skills through practical research work while they create solutions that will make a positive difference for society.

# AI Meets FinTech: Experiential Learning in Digital Trading



INTRODUCING THE  
**WOXSEN**  
**STOCK EXCHANGE (WSE)**

WHERE LEARNING MEETS REAL-WORLD FINANCE!

WOXSEN STOCK EXCHANGE  
**WSE**

DS	24.25	+3	+3.6%
ME	18.50	+1	-1.2%
CS	12.60	-1.2	-1.2%
EC	7.60	+2	+2.4%

PRACTICE. ANALYZE. INVEST. GROW.  
YOUR FUTURE IN FINANCE STARTS HERE.

The Woxsen Stock Exchange operates as a decentralized educational platform which The AI Research Centre - Woxsen University developed to provide students with practical financial learning experiences. The virtual trading platform enables students to purchase and sell digital tokens which allows them to learn about market operations and decision processes and risk assessment methods. The platform uses blockchain technology to provide transparent secure operations which enable users to learn about tokenization and decentralized finance systems. This project successfully connects theoretical knowledge with practical fintech solutions in real-world settings.

# AI Governance and Responsible Innovation in Healthcare

The AI Research Centre at Woxsen University is organizing a speaker program to advance its research on responsible AI through presentations about AI governance and healthcare AI and policy-driven innovation. The initiative brings together three groups which include researchers and industry experts and policymakers to examine ethical AI development and deployment methods that create real-world benefits.



**Call For KEYNOTE SPEAKERS**  
**AI Governance**  
in **Healthcare & Agriculture**

This forum is not about abstract debates; it's about grounding AI in responsibility where it matters most: healthcare and agriculture. So let's join hands to guide AI with purpose and principle, because the future doesn't wait, and neither should we.

**Topics Include :**

- Ethical AI
- Healthcare Innovation
- Smart Agriculture
- Policy & Governance

**For registration please reach out**

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The growing importance of AI in healthcare and agriculture requires organizations to establish systems which provide transparency and accountability and implement effective regulations. The event focuses on creating trustworthy AI systems which enable innovation while fulfilling their duty to society.

# Esteemed Members

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AI Research Centre, Woxsen University

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**DR. RAUL VILLAMARIN RODRIGUEZ**

VICE PRESIDENT AT WOXSEN UNIVERSITY

**DR. HEMACHANDRAN K**

DIRECTOR

**DR. RAJESH KUMAR K V**

CHIEF TECHNOLOGICAL SCIENTIST

**DR. SHYAM JOSHI**

CHIEF RESEARCH SCIENTIST

**ASHOK RATNA PRAVEEN DOPPALAPUDI**

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**DR. SAMEEK GHOSH**

ASSOCIATE PROFESSOR

**DR. DEBAJYOTI BOSE**

RESEARCH SCIENTIST

**DR. RIYA BHATTACHARYA**

RESEARCH SCIENTIST

**DR. CHHAVI SHARMA**

RESEARCH SCIENTIST

**MR. SAI ADARSH MADDU**

OUTREACH MANAGER

**SHAIK ANJUMABI**

INNOVATION AND COMMERCIALISATION



## Our Vision

To become a globally recognized hub for pioneering AI research and innovation, driving transformative solutions that address real-world challenges and contribute to societal welfare.

## Our Mission

To advance the field of artificial intelligence through cutting-edge research, interdisciplinary collaboration, and ethical development, fostering an environment that attracts top talent and cultivates partnerships with industry, academia, and government.




## Global Footprint



## About Us

Welcome to the AI Research Centre at Woxsen University, a renowned hub committed to pushing the boundaries of AI research and development. Situated in a vibrant academic setting, our facility is dedicated harnessing the revolutionary power of AI technologies to transform industries and improve social well-being. Our AI Research Centre boasts a team of professors, researchers, Executive Fellows, and students who are deeply involved in cutting-edge areas such as Machine Learning, Natural Language Processing, Computer Vision, Robotics, Blockchain, Cybersecurity, and the Metaverse. Our aim is to create innovative AI solutions that address practical issues, promoting advancement across various industries.

## Contact Us

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## AI RESEARCH CENTRE

## Our Projects

- Student Skill Enhancement (Meta + Gen AI) Game
- Metaverse Odyssey (SDG) VR
- Transcripts Verification System using Blockchain
- Woxsen Campus Mart
- Woxsen Campus Tour VR
- Mobile Bargaining System Using AI in Metaverse
- Iron Man Suit for Fire Detection
- Blockchain Stock Exchange
- Necrobotics
- Real time weather monitoring
- Healthcare management system

TRY DEMO



## Core Pillars

- Research and Development Division
- Product Development Division
- Technical Documentation / Research Publication Division

## Strategic Partners



## Our Niche

- Artificial Intelligence and Machine Learning
- Robotics, Necrobotics
- IoT and Embedded Systems
- Virtual and Augmented Reality - Metaverse
- Software and Web Development
- Quantum Computing
- Natural Language Processing / LLM Models
- Biomedical Signal Processing
- Human Computer Interaction
- Blockchain and Web3
- Geospatial Information