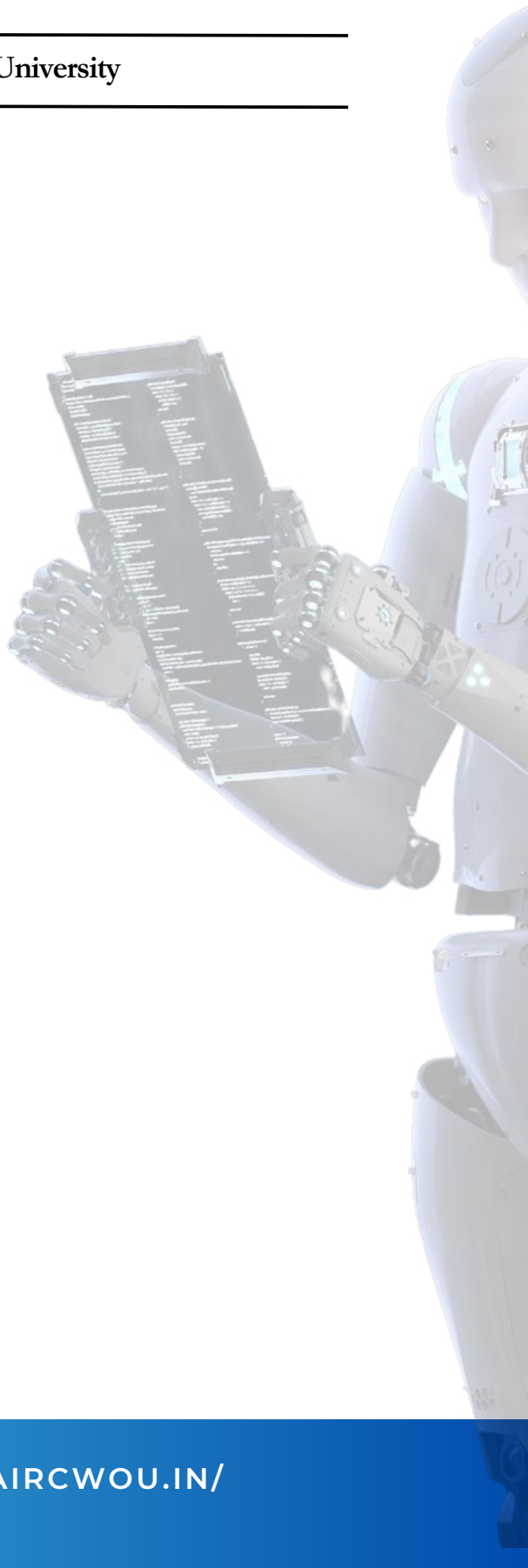
WOXSEN UNIVERSITY

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

AIRC's Necrobotics Research Ranked Among Top 50 Global Science Trends of 2025

Indian Necrobotics Research Enters Global Top 50, Ranked 38th in 2025 Science Trends

Necrobotics Research emerging from Woxsen University has been ranked 38th globally in the 2025 Science Trends list published by TrendHunter, a leading international trend intelligence platform that tracks innovations shaping the future of science, technology, and society.

The AI Research Centre at Woxsen University has announced its Necrobotics research which has achieved the 38th position in the 2025 TrendHunter Global Science Trends list because it demonstrates groundbreaking research that connects artificial intelligence with bio-inspired robotics and health care innovation.

The accomplishment demonstrates how researchers Dr. Hemachandran K and Dr. Raul Villamarin Rodriguez have developed AI-powered robots which assist with precise medical operations that require microsurgery and neurosurgery expertise. The Centre achieved its ranking through continuous global academic activities while its interdisciplinary research and technological advancement work pushed research boundaries.

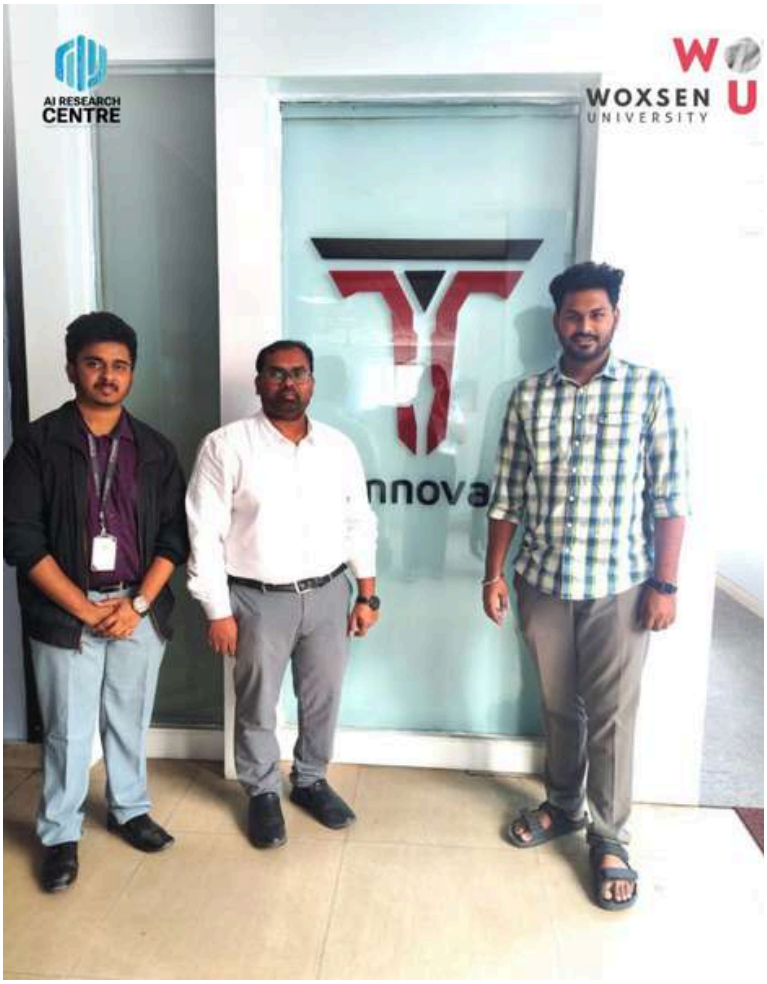
AIRC at Davos Innovation Week 2026: Showcasing Global AI Leadership

The AI Research Centre (AIRC) at Woxsen University will showcase its research work at Davos Innovation Week 2026 which takes place in Switzerland according to World Economic Forum international events schedule. AIRC leaders will participate with worldwide innovators and governmental officials and research partners to present their work in artificial intelligence and business development and decision-making research while they show Hyderabad's emergence as a center for advanced technology research and international collaboration. AIRC shows its dedication to international expansion through this partnership while it develops responsible artificial intelligence solutions which create significant social benefits.

Enriching Learning Experience at T-Hub – An Insightful Session by AIRC

The session at T-Hub which AIRC organized proved to be an educational event that I found to be a great honor. The panel discussion which included Dr. Hemachandran K and Mr. Nikhil Dutt as expert panelists delivered comprehensive analysis about how Artificial Intelligence technology develops and operates in actual situations. Their perspectives on bridging the gap between academia and industry truly inspired us to think beyond textbooks and focus on problem-driven innovation. The interaction revealed how research and collaboration together with ongoing learning activities create the foundation for developing future technologists. AIRC succeeds in creating valuable student development opportunities which enable students to explore their interests and build connections with others while they progress in their studies.

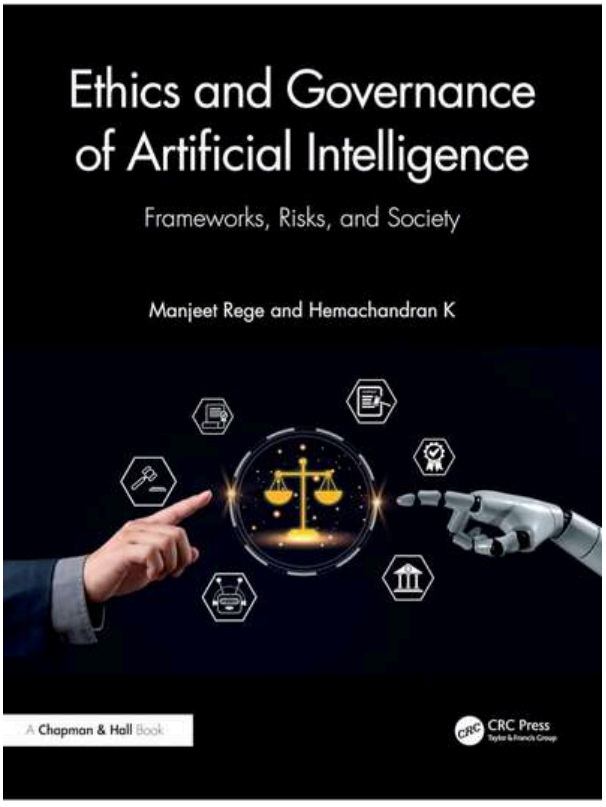
AIRC & Trinnovate Synergy Technologies Join Forces to Advance Autonomous Robotics & AI Innovation



The AI Research Centre at Woxsen University established a new partnership with Trinnovate Synergy Technology which will help academic institutions and businesses to work together in the fields of autonomous robotics, artificial intelligence, and applied technology research.

The strategic alliance will create more opportunities for students and researchers while enabling them to develop real-world projects and work closely with industry partners to create innovative solutions that will produce actual results in advanced technology fields such as autonomous systems and next-generation AI.

AIRC Advances AI Education & Thought Leadership with New Program and Book Release



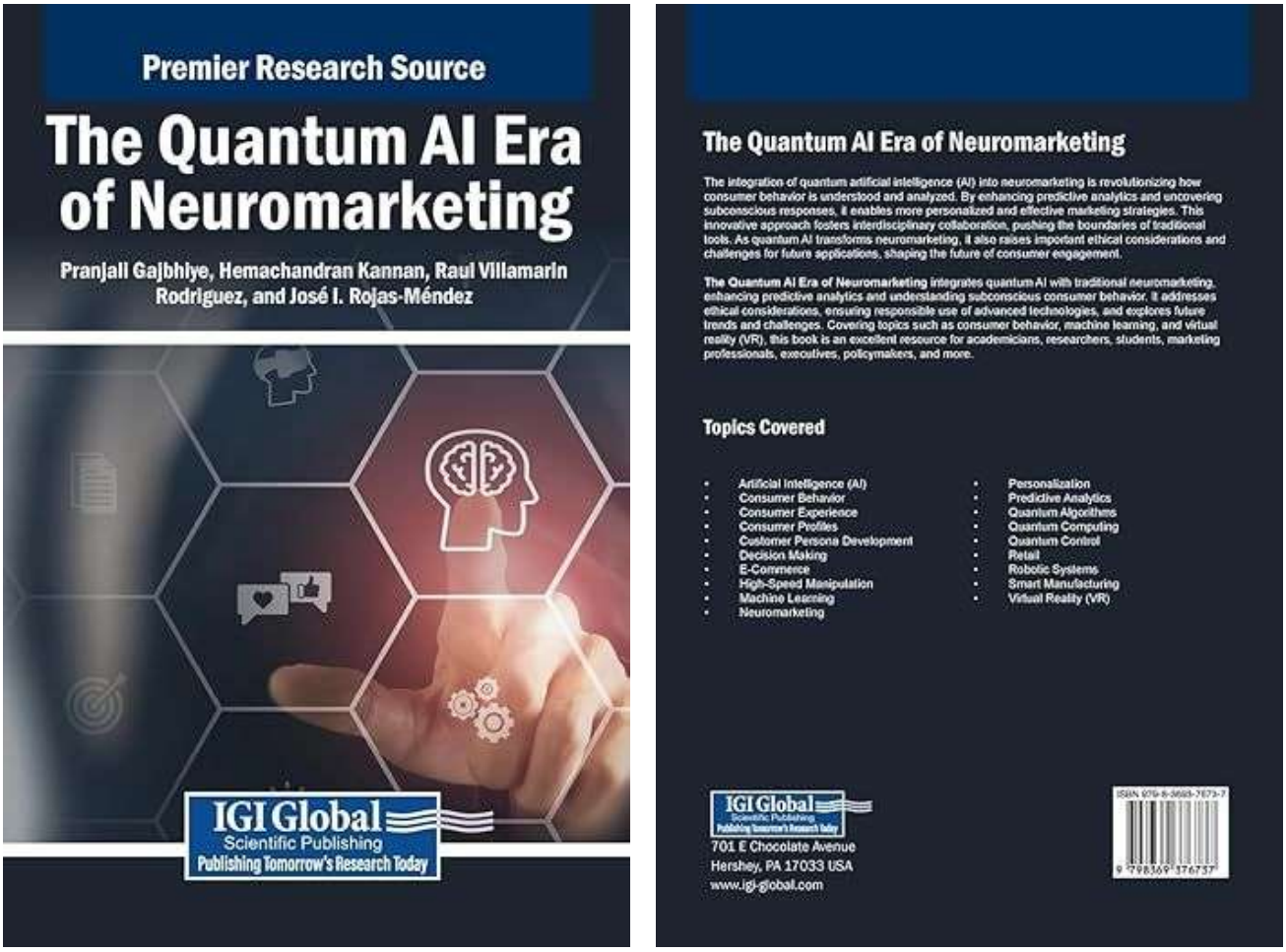
The AI Research Centre (AIRC) at Woxsen University strengthens the AI ecosystem through its educational programs, research projects, and its efforts to create responsible innovative solutions. AIRC has announced its 2026 AI & Data Science program which will provide students with practical machine learning and deep learning and applied AI training through industry-related capstone projects and internship opportunities and blockchain-based credential verification.

AIRC celebrated its dedication to responsible technology by hosting the launch event for its new book AI Ethics & Governance which it published together with Taylor & Francis. The publication unites international viewpoints which address responsible AI design and governance frameworks and practical implementation to assist researchers and practitioners in developing trustworthy and human-centered AI systems.

AIRC Highlights Book Launch & Thought Leadership in Responsible AI

Woxsen University established its AI Research Centre (AIRC) to launch the book on AI Ethics & Governance while demonstrating its dedication to artificial intelligence development through human-centered approaches. The Centre also conducted expert sessions which provided enterprises with knowledge about AI governance systems and scalability challenges and ethical framework development while demonstrating industry-wide challenges and best practices. The AIRC implements these initiatives to develop trustworthy AI research and educational programs which produce research outcomes that benefit society.

AIRC Explores Quantum Neuromarketing & AI Insight Frontiers



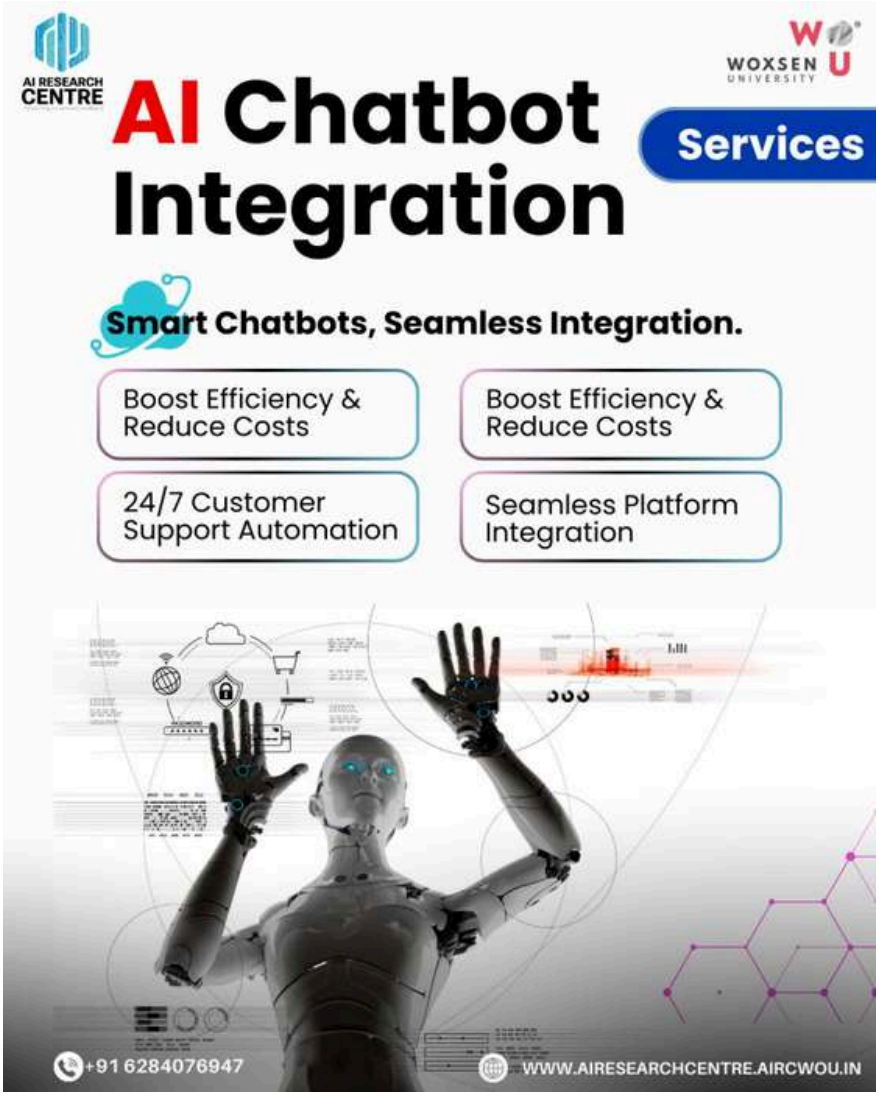
The AI Research Centre (AIRC) at Woxsen University published an engaging article which presented the connection between quantum computing and neuromarketing research through their investigation of how advanced quantum systems and cognitive science can help them understand hidden consumer behaviors and their buying choices. The discussion examines emerging research paths in AI development which present researchers with new possibilities and require them to consider ethical implications that arise from technological advancements.

AIRC Research Paper Published in IEEE Xplore

We proudly announce that our AIRC (Artificial Intelligence Robotics And Control) team members have published their research paper on IEEE Xplore which they submitted on January 16 2026. The paper achieved its successful completion of the demanding peer review process which now enables it to join the esteemed IEEE digital library as a demonstration of our community's research quality and innovative work.

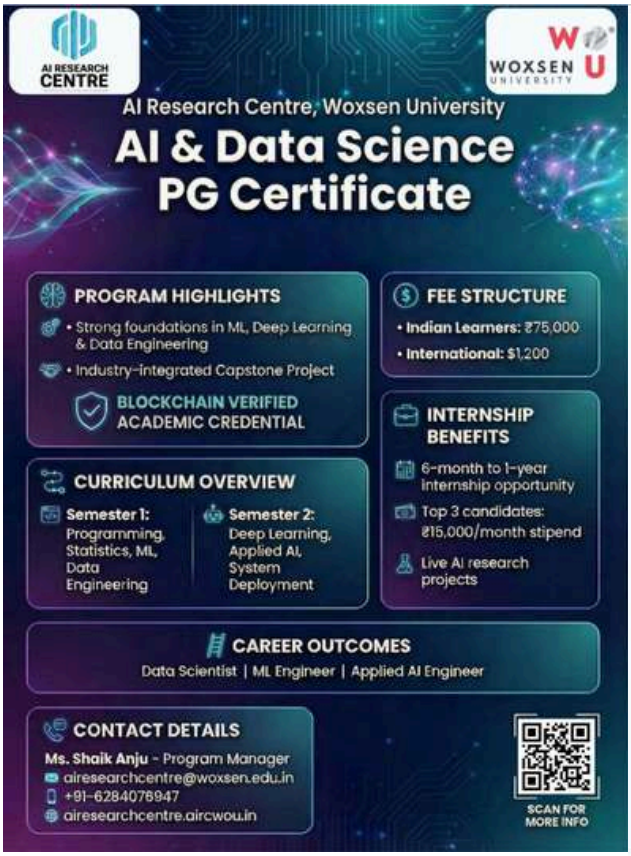
The authors' dedication to their research work together with their field expertise creates this achievement. The authors' publication in an IEEE forum marks a major achievement which demonstrates their academic contributions while showing AIRC's dedication to knowledge advancement and technological progress.

AIRC Explores AI's Role in Healthcare Innovation



The AI Research Centre (AIRC) at Woxsen University demonstrated how Artificial Intelligence is changing healthcare through its development of better medical solutions which include advanced diagnostic systems and customized treatment approaches and more effective patient treatment processes. The post demonstrates how AI technology enables better healthcare decision-making through its capacity to process large datasets while it aligns with the development of innovative solutions that enhance medical treatment precision and availability to patients and empower healthcare providers to deliver more human-centered care.

AIRC Launches Online Postgraduate Certificate in Applied AI & Data Analytics



Woxsen University offers a complete online Postgraduate Certificate program which teaches Applied Artificial Intelligence together with Data and Business Analytics for students who have completed their undergraduate studies and for professionals who are starting their careers.

The 1-year program teaches Python and SQL together with GenAI and business analytics and deep learning and NLP and AI automation and cloud deployment skills while providing internship support and industry-related experiential learning projects which help students become AI Analysts and GenAI Solutions Engineers and AI Automation Specialists.

Call for Contributions: Global Conference on Biomimetic & Bio-Inspired Healthcare Innovation (2026)

Researchers together with innovators who develop biomimetic technologies and healthcare solutions have been invited by Woxsen University's AI Research Centre (AIRC) to present their work at the Global Conference 2026. The international platform brings together academic researchers together with clinical practitioners and industry specialists to present their groundbreaking research while promoting collaborative work between different disciplines. The main topics of this study include biomimetic robotics and artificial intelligence in healthcare and genomics and synthetic biology and advanced diagnostic solutions which will allow selected works to be published through accredited academic publishing platforms.

AI RESEARCH CENTRE

WOXSEN UNIVERSITY

Esteemed Members

AI Research Centre, Woxsen University

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
INTELLECTUAL PROPERTY COUNSEL

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 COMMERICIALISATION

SCAN ME

CONTACT
airesearchcentre@woxsen.edu.in

DESIGNED BY
PROMOTION STRATEGIST TEAM, AIRC

AI RESEARCH CENTRE

WOXSEN UNIVERSITY

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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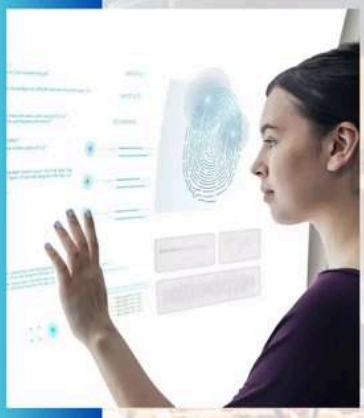

AI RESEARCH CENTRE

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