

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.



AIRC Strengthens Global Research Collaboration



The AI Research Centre (AIRC), Woxsen University, continues to expand its global research footprint by fostering collaborations with leading academic and industry partners. Through interdisciplinary initiatives, knowledge exchange, and innovation-driven research, AIRC is advancing impactful AI solutions while creating opportunities for researchers, students, and professionals to contribute to the responsible development and application of artificial intelligence across diverse domains.

AIRC Strengthens Global Dialogue on AI Governance in Indonesia



The AI Research Centre (AIRC), Woxsen University, strengthened its global presence by participating in the Global Sustainable Development Congress 2026 in Jakarta, Indonesia. Representing AIRC, Dr. Hemachandran K contributed to discussions on AI governance, responsible AI, and ethical technology adoption in higher education. The engagement highlighted AIRC's commitment to fostering transparent, accountable, and human-centric AI practices while building international collaborations that support sustainable innovation and the responsible advancement of artificial intelligence across academia and industry.

AIRC Promotes Industry-Ready AI Skills with IBM

The AI Research Centre (AIRC), Woxsen University, highlighted opportunities for learners and professionals to enhance their AI expertise through the IBM Skills Network and IBM watsonx learning resources. By promoting access to industry-recognized training, hands-on projects, and AI-focused certifications, AIRC continues to bridge the gap between academia and industry.



These initiatives empower students and researchers with practical skills in artificial intelligence, preparing them for emerging career opportunities and the evolving demands of the digital economy.

Empowering Telangana's Workforce Through AI Skills



The poster for the AI TRANSFORMATION SERIES 2026 is set against a dark blue background with a glowing AI brain graphic and a robotic hand. It features the logos of the AI Research Centre and Woxxsen University. The text promotes the series as a beginner-friendly, hands-on learning experience to transform teaching, research, and administration with AI tools. It lists three sessions: AI Tools for Teaching (July 4th), AI Tools for Research (July 11th), and AI Tools for Administration (July 18th). The administration session topics include Accounts and Finance, HR and Workforce, Reporting and Documentation, and Operations. A QR code for registration is also provided.

AI RESEARCH CENTRE

WOXXSEN UNIVERSITY

AI TRANSFORMATION SERIES 2026

Transform Teaching, Research & Administration with AI Tools

From Daily Tasks to Intelligent Workflows

Beginner Friendly Hands-on Learning

Resource Persons

Dr. Hemachandran K
Director
AI Research Centre (AIRC)
Woxxsen University

Dr. Rajesh Kumar K.V.
Chief Technological Officer (CTO)
AI Research Centre (AIRC)
Woxxsen University

Session I

AI Tools for Teaching
4th July 2026
10am - 12pm

Session II

AI Tools for Research
11th July 2026
10am - 12pm

Session III

AI Tools for Administration
18th July 2026 10am - 12pm

- Accounts and Finance
- HR and Workforce
- Reporting and Documentation
- Operations

Scan For Registration



Telangana is accelerating its vision for an AI-driven future by expanding skill development initiatives that make emerging technologies accessible to all. Focused on empowering students, professionals, entrepreneurs, and rural communities, the initiative emphasizes inclusive AI education, innovation, and industry-ready training. By bridging the gap between academia and industry, it aims to build a future-ready workforce and strengthen Telangana's position as a leader in AI-driven digital transformation and economic growth.

Advancing Responsible AI Through Global Collaboration



A global initiative is bringing together educators, researchers, policymakers, and industry leaders to explore the role of responsible AI in shaping the future of management and business education. As part of the broader Responsible Management Education (RME) Week, the forum will encourage discussions on ethical AI, sustainability, governance, and emerging technologies while fostering international collaboration. Through expert-led sessions and knowledge exchange, the event aims to drive innovative, responsible, and impactful AI practices across academia and industry.

AIRC Advances AI Research Through Publications and Scholarly Contributions



The AI Research Centre (AIRC), Woxsen University, continues to strengthen its global research impact through a series of high-quality publications spanning artificial intelligence, healthcare AI, business transformation, and emerging technologies. From publishing cutting-edge research articles to contributing to scholarly books, AIRC's researchers are advancing knowledge across diverse domains while addressing real-world challenges. These achievements reflect the Centre's commitment to academic excellence, interdisciplinary collaboration, and innovation, reinforcing its position as a leading hub for impactful AI research and thought leadership.

AIRC Highlights Leadership and Excellence in AI Research



The AI Research Centre (AIRC), Woxsen University, celebrated the visionary leadership of Prof. Raul V. Rodriguez for his significant contributions to advancing the Centre's mission of research excellence, innovation, and global collaboration. Through his strategic guidance, AIRC continues to foster a dynamic research ecosystem that encourages interdisciplinary collaboration, promotes responsible artificial intelligence, and supports cutting-edge scientific discoveries. His commitment to academic excellence and innovation has played a pivotal role in strengthening AIRC's international presence, empowering researchers, and driving impactful AI initiatives that address real-world challenges while contributing to the future of technology and society.

AIRC Showcases Innovation in AI-Driven Engineering Design

The AI Research Centre (AIRC) at Woxsen University showcased how artificial intelligence is transforming computer-aided design (CAD) and product development. By integrating intelligent design technologies with engineering innovation, AIRC is enhancing design efficiency, enabling the smarter automation, and improving the overall development processes.

The centre continues to advance research focused on streamlining workflows and supporting next-generation manufacturing solutions, helping bridge the gap between the innovative of design concepts and practical industrial applications.



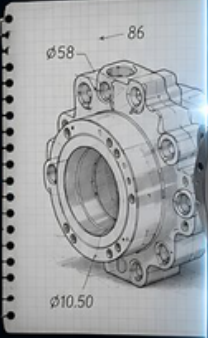

TURNING YOUR IDEAS INTO REAL PRODUCTS

IS YOUR ORGANIZATION LOOKING FOR CAD SERVICES?

We transform your ideas, sketches, or concepts into precise **3D CAD models** ready for manufacturing.

FROM THIS

Ideas / Sketch / Concept



TO THIS

Precise 3D CAD Model



✓ Reduce errors & rework

✓ Save time & development cost

✓ Improve product quality

✓ Faster prototyping & manufacturing

WHAT IS CAD?

CAD (Computer-Aided Design) is the process of creating 2D drawings and 3D models using software. It helps visualize, analyze and perfect a product before it is manufactured.

WHY DOES IT MATTER?

- Reduces errors and rework
- Saves time and development cost
- Improves product quality
- Faster prototyping and manufacturing

WHO CAN BENEFIT?


 MANUFACTURING COMPANIES


 AUTOMOTIVE INDUSTRY


 ROBOTICS & AUTOMATION


 ARCHITECTURE & CONSTRUCTION


 HEALTHCARE & MEDICAL DEVICES


 STARTUPS & PRODUCT COMPANIES

OUR CAD DESIGN SERVICES

- ✓ 3D Modeling
- ✓ 2D Drafting & Detailing
- ✓ Assembly & Exploded Views
- ✓ Product Design & Development
- ✓ Manufacturing Drawings
- ✓ Prototyping Support



YES, YOUR ORGANIZATION IS!

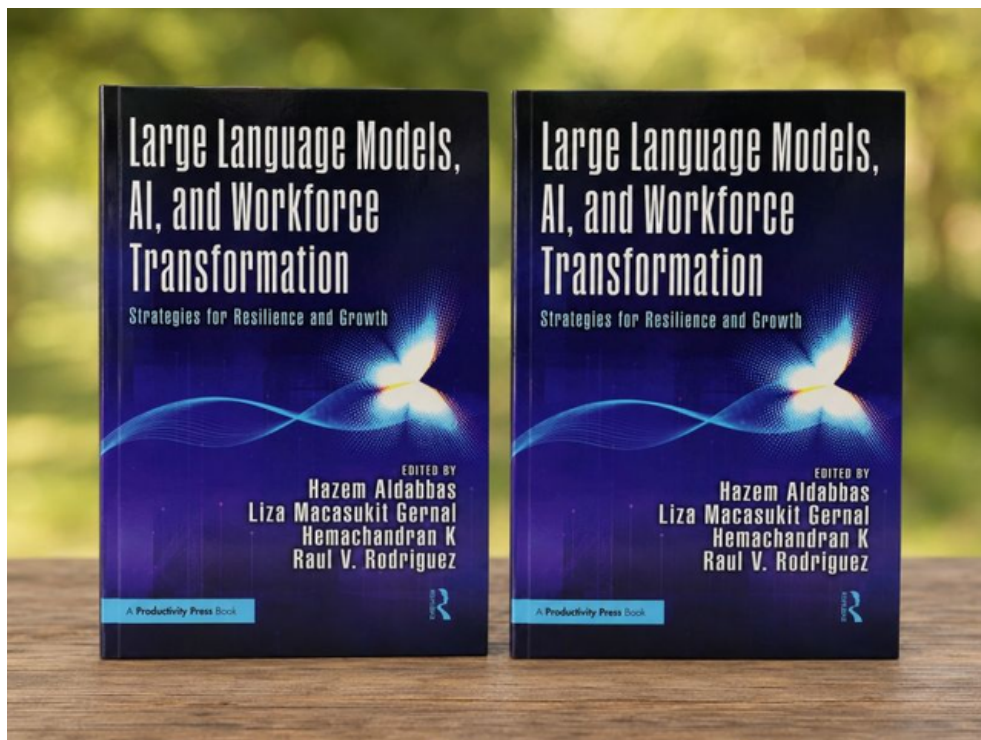
Let us help you design better, build faster, and deliver with confidence.

LET'S DISCUSS YOUR PROJECT!

Share your requirements and let's build something amazing together.

www.aircwou.in
✉
airesearchcentre@woxsen.edu.in

AIRC Explores the Future of Generative AI



The AI Research Centre (AIRC), Woxsen University highlighted the transformative potential of Generative AI and Large Language Models (LLMs) in reshaping industries and accelerating innovation. By fostering discussions on emerging AI technologies, AIRC continues to promote research, knowledge sharing, and responsible AI adoption, empowering academia and industry to harness the capabilities of next-generation intelligent systems.

Advancing AI with Agentic Systems and RAG

WOXSEN UNIVERSITY
One Week Online Workshop On

AGENTIC AI FOR BUSINESS APPLICATIONS

Design. Decide. Deliver.
Building Autonomous AI Agents for Real-World Impact.

OVERVIEW

This workshop focuses on the design and development of Agentic AI systems for business applications, integrating autonomous decision-making, large language models (LLMs), and Retrieval-Augmented Generation (RAG).

The plan combines hands-on development, research output, and capacity building, with an emphasis on real-world business use cases such as customer analytics, decision automation, intelligent assistants, etc.

KEY OBJECTIVES

- Develop Agentic AI frameworks for business problem-solving
- Build AI agents integrating LLMs, tools, and decision workflows
- Train participants in Agentic AI and enterprise AI applications
- Produce high-quality academic publications and conference outputs

WHAT YOU WILL EXPLORE

- Agent Design Patterns & Architectures
- LLMs, RAG & Knowledge Integration
- Planning, Reasoning & Tool Use
- Business Use Cases & Agent Deployment
- Evaluation, Monitoring & Ethics

TOOLS & TECHNOLOGIES

- OpenAI
- LangChain
- LlamaIndex
- Python
- Pinecone
- Vector DBs
- Streamlit

DATE
06th to 10th July 2026

TIMING
02:00 PM – 04:00 PM

LOCATION
Department of Business Analytics, Woxsen University

MODE
Online

PARTICIPANT OUTCOMES

- Build and deploy intelligent AI agents for business tasks
- Apply Agentic AI to real-world business scenarios
- Enhance decision-making with autonomous AI systems
- Contribute to research and academic publications
- Gain hands-on experience with cutting-edge AI tools

COORDINATORS

Dr. Sundara Pandiyan S
sundara.pandiyan@woxsen.edu.in

Dr. Boya Venkatesu
venkatesu.boyas@woxsen.edu.in

REGISTRATION AND PAYMENT DETAILS:
Secure your participation by completing the registration fee payment using the QR code/link beside.

REGISTRATION FEE: 1000/-

LINK: <https://businessai.woxsen.edu.in/>

SCAN:

AIRC researcher Dr. Sundarapandiyan Suruli shared insights into the evolving landscape of Agentic AI, highlighting how autonomous AI agents, Large Language Models (LLMs), and Retrieval-Augmented Generation (RAG) are transforming intelligent systems. The post explores the potential of these technologies to enable context-aware decision-making, automate complex workflows, and deliver more reliable AI applications. Through such knowledge-sharing initiatives, AIRC continues to promote awareness of emerging AI trends and their real-world impact across industries.

Responsible AI: Building Trust in the Future of Healthcare



AI GOVERNANCE IN AGRICULTURE & HEALTHCARE
FORUM 2026

FINAL CALL FOR REGISTRATION!

“Join the conversation on how ethical AI governance can drive innovation, build trust, and create lasting impact in agriculture and healthcare.”

9 JULY 2026
9:30 AM – 4:00 PM
ONLINE EVENT
(JOIN FROM ANYWHERE)

WHO SHOULD ATTEND?
Farmers, Agri-Professionals, Healthcare Experts, Researchers, Policymakers, Innovators, Students & AI Changemakers

HOW AI GOVERNANCE WILL BENEFIT YOU?

FOR AGRICULTURE

- Smarter Farming Decisions with AI-driven insights
- Higher Productivity & Yield through predictive analytics
- Efficient Resource Use (water, soil, fertilizer)
- Early Pest & Disease Detection to protect crops
- Better Profits & Sustainability with responsible AI solutions
- Empowered Farmers & Communities through inclusive innovation

FOR HEALTHCARE

- Improved Patient Outcomes through accurate AI insights
- Early Disease Detection for timely treatment
- Efficient Healthcare Delivery with AI-powered systems
- Data Privacy & Ethical AI Use ensuring trust and safety
- Inclusive & Accessible Care for all communities
- Cost Optimization & Resource Management for better impact

Responsible AI. Stronger Communities. Sustainable Future.

WILL YOU BE PART OF THE CHANGE?
Your participation can shape a responsible, equitable & innovative tomorrow.

LAST CHANCE!
REGISTRATION IS ALMOST CLOSING. DON'T MISS OUT!

SCAN TO REGISTER

www.aircwou.in airesearchcentre@woxsen.edu.in

Registrations are now open for an upcoming event focused on Responsible AI in Healthcare, bringing together researchers, healthcare professionals, policymakers and industry experts. The event will explore AI governance, ethical innovation, transparency and accountability in healthcare while fostering discussions on building trustworthy AI systems. Participants will have the opportunity to gain insights from leading experts, exchange ideas, and contribute to shaping the future of responsible AI in healthcare.

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 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