

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.



Exploring AI Influence on Ethical Decision-Making



FACULTY RESEARCH HIGHLIGHT

Article Published in

ACADEMY OF Management

Algorithmic Authority and Ethical Judgment in Hierarchical Organizations

Hemachandran Kannan and Raul V Rodriguez

Published Online: 17 Jul 2026 | <https://doi.org/10.5465/AMPROC.2026.10243.poster>

Tools Share

Abstract

AI-based retrieval systems are rapidly becoming part of everyday work in hierarchical, high-reliability organizations; however, we still know little about how they reshape ethical judgment at the point of decision. This study examines how a defense-focused RAG system influences authority, responsibility, and moral reasoning in command-driven environments. Based on qualitative interviews with analysts and trainees who rely on the system for research and decision preparation, we find that AI outputs often acquire perceived authority that rivals human expertise in the military. Under time pressure, users increasingly defer ethical reflection to the system, subtly shifting responsibility away from themselves to the system. Hierarchical norms further limit open moral dissent, even when discomfort is present. At the same time, participants exposed to structured ethical simulations show greater willingness to question AI recommendations. These findings suggest that AI reshapes not only how people process information but also how responsibility is allocated in high-stakes decisions. For managers, this study highlights the need to design ethical safeguards into AI adoption, rather than adding them after harm occurs.

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Vice Dean, School of Business
Chair Professor, Data Science & AI

Dr. Raul V. Rodriguez
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Organisational Behaviour
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The AI Research Centre (AIRC) at Woxsen University continues to advance research at the intersection of artificial intelligence, organisational behaviour, and responsible decision-making. A recent research publication, *Algorithmic Authority and Ethical Judgment in Hierarchical Organizations*, by Dr. Hemachandran K and Dr. Raul Villamarin Rodriguez, has been published in the *Academy of Management Proceedings 2026*. The study examines how AI can influence ethical judgment, perceived authority, and individual responsibility in high-stakes organisational decisions. The research highlights the importance of thoughtful safeguards as AI assumes increasingly consequential roles. Through such work, AIRC at Woxsen University contributes to responsible AI research and ethical leadership.

Woxsen Students Excel at IBM National Hackathon 2026



The AI Research Centre (AIRC) at Woxsen University proudly celebrates the outstanding performance of its students at the IBM National Hackathon 2026 in Coimbatore. Demonstrating exceptional technical expertise, creativity, teamwork, and problem-solving abilities, Woxsen students achieved remarkable national-level recognition. One team secured a Top 10 national position along with ₹5 lakh in project funding, while other student teams received Zonal Awards and Third Team recognition. The achievement reflects AIRC's commitment to transforming innovative ideas into real-world technology solutions and strengthening industry-academia collaboration. Through such opportunities, AIRC continues to empower students to innovate, compete, and create meaningful technological impact.

Taking AI Beyond the Lab: Industry Exposure at Varcas EV



The AI Research Centre (AIRC) at Woxsen University recently facilitated an industrial visit to Varcas EV, giving students valuable practical exposure to the electric vehicle industry, product development, automation, and emerging technologies. The visit enabled students to understand the complete journey of an EV from ideation and design to development, testing, and production. Through meaningful interactions with the Varcas EV team, students gained insights into how innovative technologies are translated into real-world products and solutions. At AIRC, Woxsen University such industry engagements strengthen the connection between research, education, and practical application, empowering students to observe, experiment, and innovate beyond the classroom.

Driving Transparent Carbon Markets Through Chain MRV



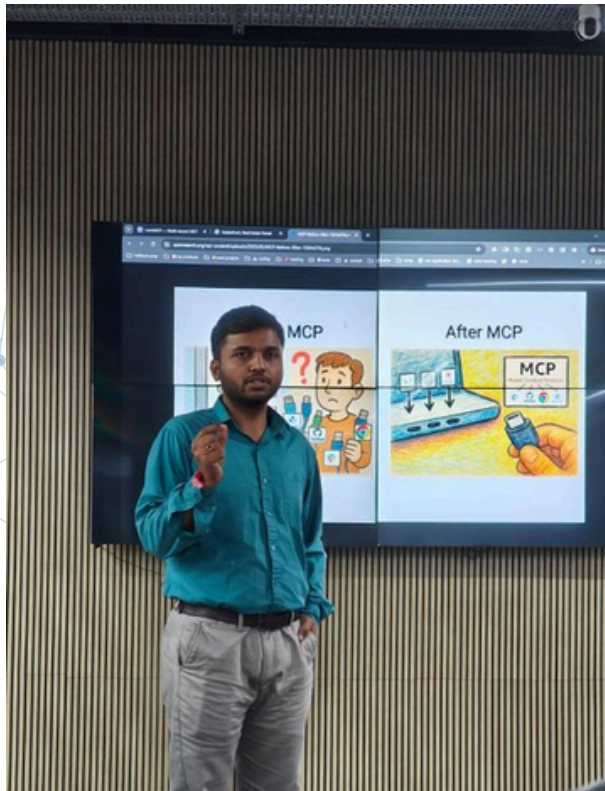
The AI Research Centre (AIRC) at Woxsen University recently conducted a knowledge-sharing session on Chain MRV, exploring how emerging technologies can make carbon credits more transparent, traceable, and verifiable. The session focused on the challenges of monitoring, reporting, and verification (MRV), particularly in ensuring reliable evidence across diverse data sources. The team explored an integrated approach combining Satellite Intelligence, Automated Verification, and Blockchain to strengthen evidence tracking and build trust in carbon-market data. The session encouraged meaningful discussions around real-world challenges and technology-driven solutions, reflecting AIRC's commitment to interdisciplinary research, climate technology, responsible innovation, and impactful applications of artificial intelligence.

AI at the Intersection of Healthcare and Business Transformation



The AI Research Centre (AIRC) at Woxsen University continues to advance interdisciplinary research through two significant publications exploring the transformative potential of Artificial Intelligence. *Necrobotics for Healthcare Applications and Management*, edited by Dr. Hemachandran K and published by Academic Press, Elsevier, explores the convergence of AI, robotics, biological materials, and healthcare, with applications spanning surgical robotics, rehabilitation, medical imaging, and telemedicine. Complementing this, *Decoding AI: Practical Implementations for Business Operations* published by Routledge and edited by Raul Villamarin Rodriguez, examines AI implementation, intelligent decision-making, operational efficiency, and digital transformation. Together, these works demonstrate AIRC's commitment to translating AI research into impactful healthcare and industry applications.

Exploring the Potential of Model Context Protocol



The AI Research Centre (AIRC) at Woxsen University has initiated a new project exploring the potential of Model Context Protocol (MCP), an open standard designed to connect AI applications with tools, data, and systems. As part of this initiative, the AIRC team conducted a collaborative learning session focused on understanding MCP, identifying practical applications, and exploring opportunities for innovation. The session brought together diverse perspectives, encouraging open discussions, experimentation, and hands-on learning. This initiative reflects AIRC's commitment to staying at the forefront of emerging technologies and translating research into practical solutions. Through collaboration and curiosity, AIRC continues to strengthen its culture of research-driven innovation.

Shaping the Future of Conscious Intelligence and AI Governance

The AI Research Centre (AIRC) at Woxsen University continues to expand its global research engagement through two significant scholarly initiatives exploring the future of artificial intelligence. AIRC is contributing to an upcoming CRC Press volume on The Intelligence Singularity, examining the intersections of intelligence, consciousness, cognition, philosophy, neuroscience and AI.

CRC Press
Taylor & Francis Group

Call for Chapters

AI Governance in Africa: Navigating Policy and Practice in Africa's Digital Future

Editors

Topics

- Part I: Ethical and Philosophical Foundations
 - Introduction: AI and Africa's Ethical Imperative
 - Philosophical Foundations – Ubuntu, Ujamaa, and African Communitarian Ethics
- Part II: Governance, Policy, and Sovereignty
 - Data Sovereignty and Digital Colonialism in Africa
 - Pan-African Governance Frameworks and Regional Cooperation
 - Comparative National AI Strategies in Africa
 - Africa's Role in Global AI Governance
- Part III: AI in Practice – National Case Studies
 - AI in African Healthcare: Insights from AI Real Implementations
 - Agricultural AI and Food Security: Country-Level Case Studies
 - Financial Inclusion and AI-Driven Banking: Empirical Lessons Across Africa
 - AI in Education: Cross-Country Implementations and Ethical Considerations
- Part IV: Challenges, Inclusion, and Future Pathways
 - Gender, AI, and Inclusive Technologies
 - Algorithmic Fairness and Multilingual African Contexts
 - Privacy, Surveillance, and Digital Rights
 - Building Capacity for Ethical AI Development
 - Conclusion: Towards an African Vision for Responsible AI

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CRC Press
Taylor & Francis Group

Call for Chapters

The Intelligence Singularity: When Mind Meets Mind

Subtitle: A Philosophical Inquiry into the Nature and Futures of Conscious Intelligence

Date

■ Submission of Full Chapter: 1st October, 2026

Editors

Topics

- Part I – The Great Encounter
 1. The First Contact That Born
 2. The Observer Paradox of Intelligence
 3. Beyond Turing – Recognition Over Imitation
- Part II – The Universal Principles of Intelligence
 4. Substrate Independence – Mind Beyond Matter
 5. The Architecture of Any Mind
 6. Emergence and Complexity – The Threshold of Awareness
- Part III – The Recursive Mirror
 7. Intelligence Studying Intelligence
 8. The Multiplication of Perspective
 9. Communication Across the Substrate Divide
- Part IV – Cosmic Implications
 10. Intelligence as a Fundamental Force
 11. The Post-Human Condition
 12. The Future of Intelligence
- Part V – Applied Case Studies and Reflections
 - Case Study 1: DeepMind's AlphaGo and the Moment of Creative Cognition
 - Case Study 2: OpenAI's GPT Models – Reflections, Recursion, and Emergent Language
 - Case Study 3: Neuralink and the Biological-Digital Interface
 - Case Study 4: IBM Watson and the Quest for Machine Understanding
 - Case Study 5: MIT's Moral Machine – Encoding Ethics into AI
 - Case Study 6: Global AI Policy Frameworks – From Regulation to Cognitive Rights
 - Case Study 7: Woxsen University's AI 2030 Initiative – Toward Cognitive Sustainability

For more details: knowledge.centre@woxsen.edu.in

In parallel, a second CRC Press publication focuses on AI Governance in Africa, addressing policy, ethics, digital inclusion, data sovereignty, and responsible AI adoption. Together, these initiatives reflect AIRC's commitment to interdisciplinary research, global collaboration, and responsible AI, while fostering meaningful academic dialogue on the evolving relationship between humans, intelligent systems and society.

Advancing Responsible AI: Ethics and Governance of Artificial Intelligence



The AI Research Centre (AIRC) at Woxsen University celebrates the publication of *Ethics and Governance of Artificial Intelligence*, co-authored by Dr. Hemachandran K and Manjeet Rege. This important work highlights the growing need for ethical principles, responsible innovation, transparency, and effective governance in the rapidly evolving field of artificial intelligence. As AI continues to transform industries and society, establishing robust frameworks for accountability and trust becomes increasingly essential. Through its research initiatives, AIRC at Woxsen University remains committed to advancing AI research, fostering responsible technological development, and contributing to meaningful discussions on the future of artificial intelligence.

Esteemed Members

AI Research Centre, Woxsen University

DR. RAUL VILLAMARIN RODRIGUEZ

VICE PRESIDENT AT WOXSEN UNIVERSITY

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DIRECTOR

DR. RAJESH KUMAR K V

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ASHOK RATNA PRAVEEN DOPPALAPUDI

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DR. SAMEEK GHOSH

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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.

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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