

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.



Woxsen University at EFMD Global Asia Annual Conference 2025: Geopolitics Meets Sustainability



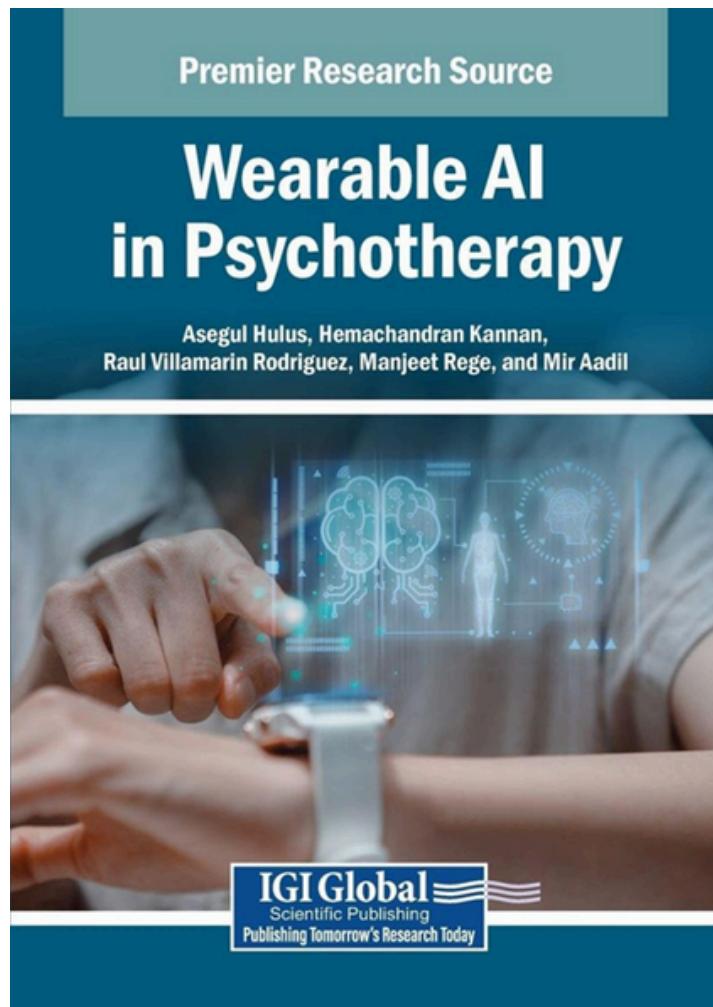
A powerful discussion unfolded at the EFMD Global Asia Annual Conference 2025 in Daejeon, South Korea, during Breakout Session 2A: Geopolitics and Sustainability. The session highlighted a pivotal message: sustainability is now a geopolitical strategy, not just an environmental goal.

Representing Woxsen University and India's perspective, Dr. Heamchandran, presented "Navigating Geopolitical Uncertainty: A Strategic Guide for Business Schools". They introduced a resilience framework enabling institutions to anticipate disruptions, diversify partnerships, and leverage AI-enabled geopolitical intelligence. The key takeaway: business schools must treat volatility as a strategic design challenge, not merely a risk to react to. This thought-provoking session reinforced Woxsen University's role in shaping future-ready leaders in AI, business strategy, and sustainability, marking a step forward in global collaboration.

Wearable AI Innovations in Mental Health Monitoring

A new initiative by the AI Research Centre (AIRC) sheds light on how Wearable AI technologies are transforming mental-health monitoring through continuous and intelligent assessment of physiological signals.

The work demonstrates how wearable devices equipped with sensors that track heart-rate variability, sleep quality, activity patterns, and stress indicators can support early detection of mental-health challenges such as anxiety, stress, and depression. By leveraging advanced AI models, these devices offer real-time insights that traditional self-reported methods often miss.



This advancement marks a significant step toward proactive mental-health care. It highlights not only technological progress but also interdisciplinary collaboration among AI experts, psychologists, neuroscientists, and healthcare providers. The goal: to build supportive systems that identify early warning signs and enable timely intervention.

Key themes include the use of multimodal biosignals, AI-driven behavioral analytics, personalized well-being insights, and the role of ethical, privacy-responsible AI in healthcare.

The Leading Awards 2025: Celebrating Excellence and Innovation

The AI Research Centre at Woxsen University is proud to announce The Leading Awards as part of the upcoming Future Tech Summit'25, an initiative designed to honor exceptional individuals and organizations shaping the future of technology, innovation, and societal progress. The awards recognize excellence across five key categories Corporate Excellence, Academic Excellence, Innovation, Leadership and Influence, and Community and Social Impact highlighting contributions that inspire growth, drive transformation, and create meaningful impact.



Participants are invited to nominate themselves through the official registration link provided in the event poster, with the last date for submissions being November 15th, 2025. For further details or assistance, applicants may contact Dr. Rajesh Kumar K. V., Chief Technological Scientist at the AI Research Centre, Woxsen University. This initiative aims to bring together visionaries and change-makers who exemplify excellence in their fields, offering a platform for global recognition and meaningful networking. By participating, nominees gain the opportunity to showcase their achievements to an esteemed panel of experts and industry leaders.

Future Tech Summit 2025: Where Innovation Meets Opportunity



The banner for the Future Tech Summit 2025 features a dark blue background with a circular graphic on the left. At the top right is the Woxsen University logo. The text "Future Tech Summit' 25" is prominently displayed in the center, with the tagline "Where Innovation Meets Impact" below it. A "Partner with the Future" section highlights corporate benefits like brand visibility and thought leadership. Another section details "Engagement Opportunities" such as speaking slots and branding. A QR code and a registration link are at the bottom right.

The AI Research Centre at Woxsen University, Hyderabad is proud to host Future Tech Summit 2025, a premier platform for innovation, learning, and collaboration. This summit brings together startups, students, academicians, entrepreneurs, and industry leaders under one roof to explore the latest in technology and innovation.

Whether you are a startup eager to showcase your product, a student looking to learn from experts, or an academician aiming to enrich your curriculum with global insights, this summit offers an unparalleled opportunity to engage, network, and grow.



The banner for the Future Tech Summit 2025 features a teal background. It includes the AI Research Centre and Future Tech Summit logos. The main title "The Future Tech Summit' 25" is in large, bold letters. Below it is the tagline "Innovate. Connect. Transform." and the dates "17th - 18th December 2025" along with the location "Woxsen University Hyderabad".

Join visionaries, researchers, and innovators as they exchange ideas, share breakthroughs, and inspire the next wave of technological advancements.

This dynamic platform brings together some of the brightest minds across industries, creating a unique space for collaboration, knowledge sharing, and impactful discussions on emerging technologies. Participants will have the opportunity to engage with thought leaders and explore cutting-edge innovations that contribute to shaping future-ready strategies.

Don't miss out on shaping the future of technology register now and be part of the revolution driving progress and redefining what's possible in the digital era.

Celebrating Excellence: Dr. Manjeet Rege Named Tech Educator of the Year 2025

The AI Research Centre at Woxsen University is thrilled to announce that Dr. Manjeet Rege, our Chair Professor of Data Science & AI, has been honored as "Tech Educator of the Year 2025" by the Minnesota Technology Association at the prestigious Tekne Awards.

This award is a testament not only to his outstanding contributions to technology education but also to his role as a visionary leader driving innovation. At the Manjeet Rege Analytics Lab at Woxsen University, Dr. Rege fosters an environment where ideas are engineered, tested, and launched, bridging the gap between learning and real-world impact.

Today, we celebrate a trailblazer, educator, and innovator whose achievements set a new benchmark for tech education globally. Congratulations, Dr. Rege! Your recognition inspires the entire Woxsen community and strengthens our commitment to excellence in AI and data science.



Woxsen University at Davos Innovation Week 2026

Woxsen University captures its growing presence on the global innovation stage as Prof. Hemachandra Reddy Garu is invited to speak at Davos 2026 during Innovation Week. The event showcases Woxsen's commitment to advancing next-generation ideas in technology, education, and sustainable development. His participation underscores India's rising thought leadership in global policy and innovation forums, bringing academic expertise and forward-looking perspectives to one of the world's most influential platforms. This recognition further reflects Woxsen's mission to drive impact through research, industry collaboration, and global engagement.

Quantumfai

WOXSEN UNIVERSITY

DAVOS 2026 DAVOS INNOVATION WEEK

7th Annual Event / January 19-23, 2026/
Davos, Switzerland

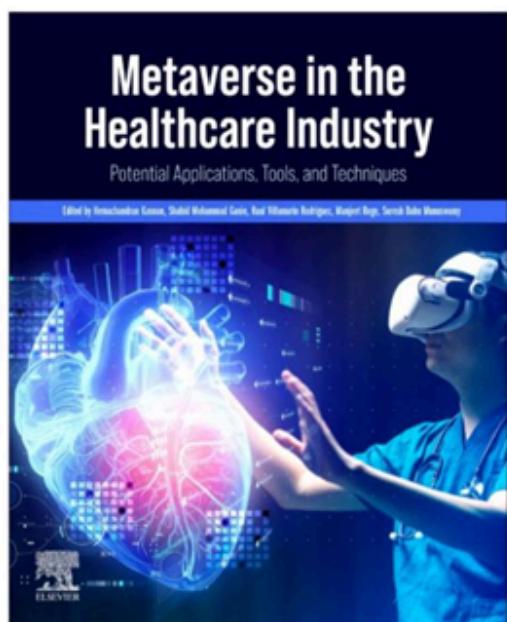
Speaker Spotlight

Dr. Hemachandran Kannan

Director – AI Research Centre &
Vice Dean – School of Business
Woxsen University, Hyderabad, India

www.woxsen.edu.in

New Book Explores AI's Impact on Business and Ethics



A recent update highlights how metaverse technologies are emerging as powerful tools in transforming medical education, patient care, and healthcare delivery. Integrating virtual reality (VR), augmented reality (AR), and immersive digital environments, the metaverse is opening new possibilities for clinicians, students, and patients alike.

The work demonstrates how immersive platforms can support virtual consultations, remote diagnosis, and collaborative treatment planning—making healthcare more accessible and efficient. These technologies also offer realistic training environments where medical students and professionals can practice procedures, explore 3D anatomical structures, and simulate complex clinical scenarios without risk.

Beyond clinical use, the metaverse is enhancing patient education, enabling individuals to better understand their conditions and treatment pathways through interactive visualizations. This not only improves comprehension but also strengthens communication between healthcare providers and patients.

Key themes include advancements in virtual medical training, remote healthcare delivery, immersive patient-centric learning, and the ethical considerations required when integrating metaverse technologies into real-world healthcare systems.

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

DR. PRANJALI GAJBHIYE

RESEARCH SCIENTIST

ASHOK RATNA PRAVEEN DOPPALAPUDI

INTELLECTUAL PROPERTY COUNSEL

DR. SAMEEK GHOSH

ASSOCIATE PROFESSOR

DR. CHANDRAHAS SINGH

ASSISTANT 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



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



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 to 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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Core Pillars

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

Strategic Partners



AI RESEARCH CENTRE

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