Monthly Newsletter

By the AI Research Centre, Woxsen University

Strengthening Global Academic Ties: Dr. Hemachandran K's Visit to Bucharest Business School

Dr. Hemachandran K recently visited **Bucharest Business School (BBS @ ASE), Romania,** where he engaged in fruitful discussions with **Prof. Vasile Alecsandru Strat, Dean,** and **Prof. Ramona Stefania Igret,** Vice Dean. This visit laid the groundwork for an exciting academic partnership between Dr. Hemachandran K and BBS, focusing on a variety of collaborative initiatives.

The collaboration will encompass several impactful areas, including the development of joint executive programs, study immersion opportunities, and next-generation family business certification courses. Furthermore, the institutions will work together through the AI Research Centre, joint research grant applications, and faculty and student exchanges via the ERASMUS+ program. This partnership represents the beginning of a significant academic bridge between **India and Romania**, poised to drive innovation, research, and global learning while creating meaningful solutions for real-world challenges.

Source: LinkedIn

GIP: MBA Students Deliver Innovative Business Solutions

The **Global Industrial Project (GIP)** presentations by second-year MBA students demonstrated their ability to deliver innovative, data-driven solutions to real-world business challenges through collaboration with industry partners. With the guidance and support of faculty members, students effectively bridged academic theory with industry practice, reinforcing the institution's commitment to developing competent, future-ready professionals equipped to lead in today's dynamic global business environment. The diversity of sectors addressed ranging from **manufacturing** and **technology** to **healthcare** and **finance** highlighted the breadth of industry engagement and the students' adaptability. The success of the GIP initiative stands as a testament to the value of academia-industry collaboration in nurturing impactful, solution-oriented leadership.

Source: LinkedIn

Woxsen University Partners with Codex.storage

Woxsen University's **AI Research Centre** successfully collaborated with **Codex.storage**, a durable and decentralised storage protocol developed to safeguard the world's most valuable information. This partnership represented a significant milestone in advancing decentralised technologies and fostering industry-academia collaboration. As part of this initiative, the two institutions worked together to integrate Codex into **blockchain-based applications**, **conducted joint research** and **pilot testing**, and engaged in community education efforts focused on decentralised storage. The collaboration also involved the development of case studies, delivery of technical training sessions and workshops, and the formulation of industry standards and best practices.

Source: *LinkedIn*

Research Highlight: Organoids & AI

In a recent publication, **Dr. Riya Bhattacharya, Dr. Debajyoti Bose,** and **Dr. Raul Villamarin Rodriguez** presented a comprehensive study on the transformative role of organoids in advancing disease modeling and personalized medicine. The research underscored the significant impact of organoids on biobanking, precision diagnostics, and the ongoing refinement of culture techniques aimed at improving clinical relevance. This interdisciplinary work marked a meaningful step toward the convergence of biological innovation and computational technologies in shaping the future of precision healthcare.

Source: LinkedIn

Innovation Spotlight: AI-Powered SDG Document Classifier

The **AI Research Centre (AIRC)** at **Woxsen University** has unveiled a sophisticated AI-powered tool — the **Sustainable Development Goals (SDG) Document Classifier**. This advanced system is engineered to automatically analyze and classify academic literature and policy documents in alignment with the **17 United Nations Sustainable Development Goals (UN SDGs)**, enabling researchers, institutions, and policymakers to strategically align their initiatives with global sustainability objectives.

Designed to enhance **research visibility, foster targeted innovation, and facilitate comprehensive impact evaluation**, the classifier underscores AIRC's dedication to driving meaningful, high-impact research through ethically aligned and purpose-driven AI technologies. The system not only streamlines large-scale document classification with precision and efficiency but also contributes to creating data-driven pathways for monitoring sustainability-related progress. As global challenges continue to evolve, such innovations are crucial in **empowering evidence-based decision-making** and **advancing the collective pursuit of sustainable development.**

Source: LinkedIn

UNESCO AI RAM Stakeholder Consultation: Advancing Ethical AI Implementation

AIRC is honoured to have participated in the **3rd AI RAM Stakeholder Consultation, organised by UNESCO** in collaboration with the **Ministry of Electronics and Information Technology (MeitY)**, held on April 8, 2025, at T-Works, Hyderabad. Representing Woxsen University, **Dr. Rajesh Kumar K V and Mr. Tarun Kotagiri** contributed to the breakout session on the ethical use of AI tools. They addressed key challenges in the educational sector, including the use of AI for content generation by students and the creation of synthetic datasets, while also exploring the validation processes for these applications. During the session, Dr. Rajesh Kumar K V presented Woxsen University's innovative **5-Scale AI Assessment Policy.**

This policy, which ranges from **No AI to Full AI usage**, provides a structured framework to guide the responsible integration of AI in academic work, ensuring its ethical application in the educational context. The outcome of this initiative will be a comprehensive policy document with actionable recommendations for fostering ethical AI practices across the nation.

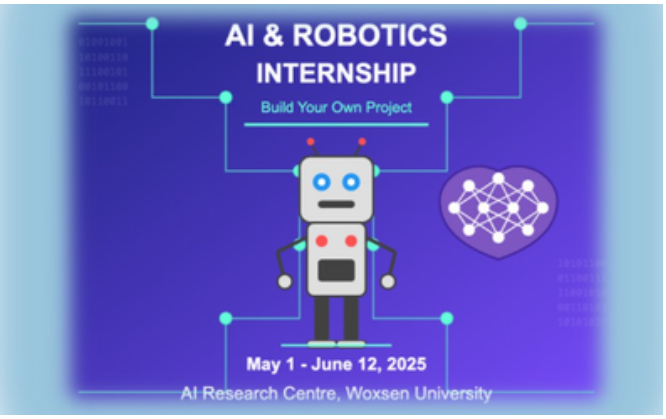
Source: LinkedIn

AI-Driven Multi Modal Cognitive Affective Consumer Decision System

The AI Research Centre (AIRC) at Woxsen University is proud to announce the development of the **AI-Driven Multi-Modal Cognitive-Affective Consumer Decision System**. This innovative system utilizes real-time emotion and cognitive profiling to deliver hyper-personalized experiences across multiple sectors while adhering to strict ethical AI standards. Key features include **adaptive pricing strategies, fair AI recommendations**, and a **transparent AI framework.** This development exemplifies AIRC's commitment to advancing AI technology that aligns with both innovation and ethical considerations.

Source: LinkedIn

Build Your Own AI & Robotics Project: Internship Program for High School Students



The AI Research Centre at Woxsen University is offering an exciting 6-week internship program for high school students (Grades 9-12) from May 1 to June 12, 2025. Students will gain hands-on experience in AI and robotics, learning Python programming, machine learning, robotics hardware, sensor integration, and project development. The program offers two flexible batch options ***Batch 1: Wednesdays & Thursdays, 9 AM - 4 PM*** and ***Batch 2: Saturdays & Sundays, 9 AM - 4 PM***

Participants will undertake 72 hours of structured on-campus learning, complemented by 88 hours of guided online practice. Over the course of the program, students will methodically develop their own AI/Robotics project, demonstrating the application of the skills acquired. Upon successful completion, participants will be awarded a certificate from AIRC and will have curated a detailed technical portfolio, enhancing their academic and professional credentials.

Source: LinkedIn

Wroclaw Necrobotics Research Featured in PharmaBiz

The pioneering research on **Necrobotics**, led by **Dr. Hemachandran K, Dr. Raul Villamarin Rodriguez, Dr. Shyam Joshi, and Dr. Luis Angel Osorio** has been prominently featured in **PharmaBiz.** This recognition highlights the innovative work conducted by the team in the integration of robotics and biological systems, a field with vast potential for advancements across multiple sectors, including healthcare and engineering.

The article provides a detailed examination of the research, underscoring its practical applications and the significant contributions made by the team to this emerging and rapidly evolving discipline

Source: Linkedin


PHARMABIZ.com

Medical Equipment

Woxsen University develops AI-driven necrobotic system to advance in robotic-assisted surgery

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.

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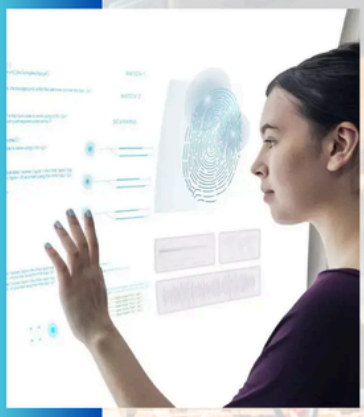
AI RESEARCH CENTRE

WOXSEN UNIVERSITY



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

AI RESEARCH CENTRE

WOXSEN UNIVERSITY

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AI Research Centre, Woxsen University

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