Experts Converge at Mahindra University to Discuss Innovations in Cyber-Physical Systems, Power Electronics and Electric Vehicles (ICPEEV 2024)

Hyderabad/New Delhi, 30 September: Mahindra University hosted the Second International Conference on Cyber-Physical Systems, Power Electronics and Electric Vehicles (ICPEEV 2024), which brought together researchers, scientists and engineers from around the world. The conference served as a platform for exchanging insights, sharing innovative ideas, and discussing the latest research progress in the field.

The three-day event covered a broad range of themes, including emerging technologies in electric vehicles (EV), battery management systems, power converters, and grid integration. The speakers discussed topics related to computational intelligence, cyber-physical systems (CPS), Internet of Things (IoT), and renewable energy systems, aligning with the evolving needs of industry and academia.

During the conference, researchers from around the world showcased their work in 63 technical papers. Industry leaders and academicians delivered four keynotes. **Ramana Reddy A. V.**, who is a **Senior Engineer at MathWorks**, shared his insights on Model-Based Design for Automotive Systems using Matrix Laboratory (MATLAB) and Simulink. **Sai Teja Cherla**, **Field Application Engineer at OPAL-RT Technologies**, spoke on EVSE Charging and Smart Grid Security. **Srinivas Katkoori**, a professor of Computer Engineering at **University of South Florida**, discussed Algorithms for Connected and Autonomous Vehicles. **Srikrishna N. H.**, **Principal Engineer at Tektronix**, presented the convergence of power electronics, CPS, EV and quantum technologies.

Chief Guest Sukumar Mishra, Director at IIT Dhanbad, applauded the conference as a crucial platform for exchanging ideas and advancing research. He said*, "I believe that through collaboration and innovation, we can address the challenges of energy efficiency and sustainability, laying the foundation for a cleaner, more reliable energy future. Let us work together to push the boundaries of science and technology, ensuring that the solutions we develop today will shape a better tomorrow".*

The conference was launched in the presence of **Dr. Yajulu Medury**, **Vice Chancellor**, **Mahindra University** who laid out the plans for the University's goal of becoming country's intellectual capital by nurturing both critical thinking and creativity. He noted *that "fostering innovation and collaboration" in the field of research and development is at the core of what Mahindra University stands for.*

Prof Ram Vemuri, HoD, Electrical and Computer Engineering, **Mahindra University** highlighted the University's unwavering commitment to academic success. *"Our mission is to contribute to technological advancements in cutting-edge fields like power electronics and electric vehicles. The event is a testament to this commitment, and the university looks forward to making ICPEEV an annual conference at a global level"*, he added.

Bharghava Rajaram, G. Bhuvaneswari, Gopinath G. R. and Sreedhar Madichetty, professors at the Electrical and Computer Engineering Department of Mahindra University, chaired the technical sessions.

About Mahindra University:

Mahindra University, Hyderabad (India), is a multi-disciplinary university. It works towards educating future citizens for a better world. The private University is envisioned as an institution that significantly drives quality improvement and innovation in higher education. Mahindra University focuses on generating new knowledge through engagement in cutting-edge research, creating a spirit of innovation and entrepreneurship, and undertaking collaborative projects with industry and other academic institutions. In 2021, Mahindra University launched the School of Management, the Indira Mahindra School of Education, the School of Law followed by the School of Media in 2023 and the School of Design in 2024. The University is backed by Mahindra Educational Institutions (MEI), a subsidiary of Tech Mahindra Ltd, the flagship IT company of the Mahindra Group, a USD 19.4 billion industrial entity that employs more than 256,000 employees across 100 countries.