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About the Conference

Recent years have witnessed the evolution of Artificial Intelligence [AI] techniques like deep learning, machine learning, pattern recognition, Natural language processing [NLP], and computer vision and their revolutionary applications in the emerging smart city and industrial automation applications. In this scenario, AI provides smart and efficient tools for smart energy systems to perform smart electricity generation, emergency response, and delivery. The integration of renewable energy sources into the smart grid is made easier by using Artificial intelligence technologies. Meanwhile, Machine Learning the subset of Artificial intelligence provides some security and privacy assessment tools to the evolving smart energy grids. As Artificial Intelligence [AI] techniques are still remaining in the initial stage to revolutionize the way we generate, transmit and consume the energy in the smart city and industrial infrastructure. It is clearly known that the integration of AI in smart energy models will deliver a wide range of potential research opportunities to the smart energy management community. The main goal of the 4th International Conference on Artificial Intelligence and Smart Energy [ICAIS 2024] organized by Department of EEE, JCT College of Engineering and Technology, Coimbatore, Tamilnadu, India on 7-9, February 2024 is to propose, share and exchange innovative Artificial Intelligence [AI] solutions to enhance the efficiency, stability, robustness, and security of smart energy systems.

About the College

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY Shri Jagannath Educational Health and Charitable Trust was established by renowned and philanthropic people with an objective of providing education to all especially the down trodden and rural population. Considering the growing demands for technical education in the country the trust has started an engineering college namely JCT College of Engineering and Technology in Pichanur in Coimbatore for the academic year 2009-10. The College is located at Pichanur in the foothills of the Western Ghats in a serene, eco-friendly lush green environment. It is well connected by road, rail and air. The Management strives hard to enhance the professional knowledge, skills and attitudes of educators, so that they might in turn improve the learning process of students. The college aims at developing a deep understanding of the human values and social concerns among the engineering graduates. programme in BE Electrical and Electronics Engineering and also runs prominent Postgraduate programme in ME Power Electronics and Drives, which started from year 2012. In 2018, it achieved the milestone of getting NBA Accreditation. The faculty of this Department elude excellent commitment, and they possess high qualification credentials to provide technical education of utmost standards. The students are offered with Innovative Workshops, Guest lectures, Webinars, National and International Conferences, informative Industrial visits, etc. on a regular basis, to keep them updated with the latest trends in the Electrical and Electronics Engineering. Along with Highly equipped Laboratories, Industry sponsored Laboratories also established which increases the students' knowledge to industry level.

Keynote Speakers

Dr. Zubair Baig
Associate Professor, Cyber
Security | Head of Research
Translation, Centre for Cyber
Resilience and Trust
(CREST)
Director, Post Graduate
Studies in Cyber Security
Deakin University Geelong,
Australia.

Dr. D. Nirmal,
IEEE R10 SRC Vice
Chair and IEEE Excom
member Madras section.
Professor and Head,
Karunya Institute of
Technology and
Sciences,
Coimbatore, India.

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CONTACT

Dr. K. Geetha,
Dean Academics and Research,
JCT College of Engineering and
Technology, Pichanur Road, Off
NH 47, Pichanur, Coimbatore,
Tamil Nadu, India - 641105
Email: conf.icaisee@gmail.com
Ph: +91-8754818524.

Phone: +91-8754818524

VENUE

JCT College of Engineering and
Technology, Pichanur Road, Off NH 47,
Pichanur, Coimbatore, Tamil Nadu, India.

Department of EEE
JCT College of Engineering and Technology
Coimbatore, India

Conference website: <https://icaisee.in/2024/>



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