

*For Immediate Release: December 17, 2025*

## **Press Release**

### **IIT (ISM) Dhanbad to Host 2nd IEEE International Conference ELEXCOM'25 from December 20–22**

The Department of Electronics Engineering, Indian Institute of Technology (Indian School of Mines) Dhanbad is set to organize the **2nd IEEE International Conference on Electrical, Electronics, Communication and Computers (ELEXCOM'25)** from **December 20 to 22, 2025**. The three-day international conference will bring together researchers, academicians, industry experts, policymakers, and professionals from across the globe to deliberate on emerging and future technologies.

ELEXCOM'25 aims to provide a world-class platform to connect, engage, and influence the development of **Quantum Technologies and Cyber Physical Systems** at a global level. The central theme of the conference focuses on applications of these technologies across **Electrical, Electronics, Communication, and Computer Engineering**, with special emphasis on their role in next-generation communication systems, including **6G and beyond**.

The conference will address how national and international organizations, industries, and governments are shaping roadmaps, standards, and technological frameworks required for the full-scale integration of quantum and cyber-physical technologies. Researchers will present their latest work in areas such as **VLSI, communication systems, intelligent computation and automation, artificial intelligence and machine learning, and the Internet of Things (IoT)**. Special attention will also be given to identifying future research directions and critical technologies that will drive advancements in these domains.

A key highlight of ELEXCOM'25 is a **special session on Digital and Smart Mining**, reflecting IIT (ISM) Dhanbad's core strengths and its commitment to applying advanced digital technologies in the mining and minerals sector.

All technical sessions of the conference will be held at the **TeXMin Halls of the i2H Building** at IIT (ISM) Dhanbad. The conference is expected to foster interdisciplinary interaction, facilitate exchange of ideas, and promote global research and industry collaborations.

Speaking about the conference, the Organising Committee stated that ELEXCOM'25 is envisioned as a forum that not only showcases cutting-edge research but also helps in building long-term academic and industrial partnerships. **Dr. Himanshu Bhusan Mishra, Dr. Devendra Chack, and Dr. Jaisingh T**, members of the Organising Team, emphasized that the conference will focus on both current technological advancements and the question of “what comes next” in the rapidly evolving fields of quantum technologies and cyber-physical systems.

Rajni Singh  
**Dean (Corporate Communications)**