

For Immediate Release: August 4, 2025

## **PRESS-RELEASE**

### **IIT (ISM) Inaugurates EDP on “Electrical Safety and Precautionary Maintenance for Sustainable Mines”**

The Department of Electrical Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad, inaugurated a five-day Executive Development Programme (EDP) on “*Electrical Safety and Precautionary Maintenance for Sustainable Mines*” today at Sir Mokshagundam Visvesvaraya Seminar Hall, Academic Complex. The event was formally inaugurated by Prof. Sukumar Mishra, Director, IIT (ISM) Dhanbad, in the presence of Prof. Sukanta Das, Head of the Department of Electrical Engineering, Prof. Nitai Pal, Professor and Chief Investigator of the program, and Prof. Pradip Kumar Sadhu, Professor (HAG) and Co-Principal Investigator.

While addressing the gathering of participants and faculty, Prof. Sukumar Mishra emphasized the evolving nature of sustainability, stating, “The word sustainability has relative connotations with time, space, and place. In earlier times, it carried a different meaning, but now the reference point has changed significantly.” He highlighted the importance of aligning with the Sustainable Development Goals (SDGs) set by the United Nations and stressed the need to strike a balance between mining operations and environmental preservation.

Prof. Sukanta Das, HoD, Electrical Engineering, informed the audience that this is the second EDP being organized by the department this year, following five such programs conducted last year. He added that the present program is carefully curated to ensure that participants gain both theoretical knowledge and hands-on practical exposure throughout the five-day duration.

Speaking on the relevance of the program, Prof. Pradip Kumar Sadhu noted, “The EDP will serve as a platform for knowledge exchange. Precautionary maintenance is crucial for sustainable mining as it helps prevent major accidents and disasters.” He also shared that daily laboratory sessions in the evening will provide participants with practical training and demonstrations.

Prof. Nitai Pal, while delivering the vote of thanks, acknowledged the presence and contribution of the dignitaries and faculty members, including the Director, HoD, and Co-PI. He also expressed gratitude to Prof. Rajni Singh, Dean (Corporate Communications), and Prof. M.K. Singh, Dean (Academics), who, though unable to attend the inaugural session as Guests of Honour, due to their regular classes but participated later during the technical sessions.

The EDP is designed to address diverse aspects of electrical safety and preventive maintenance relevant to both underground and open-cast mining environments. With safety as a top priority and preventive maintenance likened to a “vaccine” for uninterrupted production, the program reflects the growing significance of integrating safety with efficiency in modern mining operations.

Over the five days, the participants will delve into modules covering a wide range of topics, including mine power supply systems, protective devices, electric shock prevention, health monitoring of mining equipment, accident case studies, safety audit principles, emergency communication systems, and relevant regulatory frameworks. The program also includes a field visit to a mine-industry or research laboratory to offer participants real-world insights.

Through expert-led sessions, practical demonstrations, and industry-relevant discussions, the program aims to equip participants with essential skills and knowledge to foster safer, more sustainable mining practices.

Rajni Singh  
Dean (Corporate Communications)