

For Immediate Release; January 26, 2026

PRESS-RELEASE

IIT (ISM) to Host Executive Development Programme on Productivity, Safety and Sustainable Mining

Dhanbad, January 2026: The Department of Mechanical Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad, is set to organize a three-day Executive Development Programme (EDP) on “Enhancing Productivity, Safety and Sustainable Management of Mining Industry” from 27th to 29th January 2026 at the IIT (ISM) campus.

The programme is being coordinated by Prof. L. A. Kumaraswamidhas, Department of Mechanical Engineering, IIT (ISM) Dhanbad. The programme has Prof. Rajni Singh (Department of Humanities & Social Sciences) and Prof. Shashank Bansal (Department of Management Studies & Industrial Engineering) as Co-Coordiators. A total of 12 participants from the mining and allied sectors will take part in this intensive training programme.

The EDP is designed to address key challenges faced by the modern mining industry, including improving operational productivity, strengthening safety systems, and integrating sustainable practices into mining operations. With increasing technological adoption, the sector requires skilled professionals capable of leveraging digital tools, smart equipment, and data-driven decision-making to enhance performance while ensuring worker safety and environmental responsibility.

The programme will feature expert-led sessions on digital mining, safety management, human-machine dynamics, sustainable mining practices, electrification in mines, smart equipment selection, and AI-based solutions for safer and more productive operations. Discussions will also cover economic evaluation, risk management in mining equipment, leadership, and team building.

Participants will gain exposure to advanced research and technology through lab visits, including facilities at TEXMiN at IIT (ISM) and an R&D lab focused on selective coal cutting technologies and surface miner applications. These visits aim to provide practical insights into state-of-the-art tools and innovations supporting efficient and safe mining.

Through this EDP, IIT (ISM) Dhanbad continues its efforts to bridge academic expertise and industry needs, supporting the development of skilled professionals who can drive productivity, safety culture, and sustainability in the mining sector.

Rajni Singh

Dean (Corporate Communications)