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Press Release

IIT (ISM) Dhanbad Launches 3-Day National Programme on Mine Safety & Risk Management

IIT (ISM) Dhanbad inaugurated a three-day Capacity Building Programme on “Mine Safety & Risk Management” on 1st December 2025 at the Department of Environmental Science & Engineering (ESE). Organized by the EIACP Programme Centre of the department and sponsored by the Ministry of Environment, Forest & Climate Change (MoEF&CC), Government of India, the programme marks a significant institutional step toward strengthening grassroots competencies in scientific mining and workplace safety.

The inaugural session brought together distinguished faculty members of IIT (ISM) who have contributed extensively to national research in mining, environmental management and industrial safety. Prof. Alok Sinha, Head of the Department of Environmental Science & Engineering and Coordinator of the EIACP Centre, opened the session by highlighting the crucial role played by EIACP in connecting academic research with field-based mining practices. He emphasized the need to cultivate a strong and enduring safety culture among frontline mining personnel, noting that improved awareness and capacity-building at the grassroots level are integral to reducing accidents and advancing sustainable mining operations.

Prof. Suresh Pandian, Associate Professor in the Department of ESE and Co-Coordinator of the EIACP Centre, stressed that continuous, hands-on training is essential for strengthening workplace preparedness and minimizing operational risks. He observed that practical learning, demonstrations and exposure to real-life scenarios are indispensable for workers who operate in hazardous environments. Prof. M. K. Jain underlined the importance of understanding site-specific hazards and complying with DGMS safety protocols, adding that responsible mining can only be achieved through a combination of awareness, discipline and scientific decision-making.

Prof. VGK Villuri from the Department of Mining Engineering, IIT (ISM) Dhanbad, emphasized the critical value of field-oriented training in shaping competent and safety-conscious mining personnel. He noted that real-world exposure plays a transformative role in helping workers internalize safe operational practices and respond effectively to emergencies. Prof. Villuri reaffirmed IIT (ISM)’s century-long legacy in advancing scientific mining and reiterated the institute’s commitment to strengthening national safety competencies through structured training programmes.

The three-day programme has been specially crafted for contractual mine workers, machine operators, drillers, loaders, maintenance staff, support staff, shift supervisors and foremen. Participants will undergo intensive expert-led sessions that focus on practical mine safety, emergency preparedness and safe operational approaches. The training combines classroom lectures, practical demonstrations and field exposure, enabling participants to gain a clearer understanding of on-ground safety protocols and risk-reduction strategies. By simplifying and translating technical safety guidelines into actionable practices, the programme aims to significantly enhance hazard awareness and operational discipline at mining sites.

As IIT (ISM) Dhanbad continues to build on its 100-year legacy of excellence in mining education and scientific research, initiatives such as this capacity-building programme reflect the institute’s unwavering dedication to promoting responsible, sustainable and safe mining across India. The EIACP-led initiative underscores IIT (ISM)’s national leadership in workforce development and its mission to create a safer mining ecosystem through knowledge, training and innovation.

Rajni Singh
Dean (Corporate Communications)