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## **PRESS-RELEASE**

### **IIT (ISM) Dhanbad Hosts Executive Development Program on Mining Equipment Health and Safety Practices**

Senior and middle-level executives from mining companies, safety officers, engineers, maintenance professionals, regulatory authorities, researchers, academicians, and consultants from across the country have gathered at IIT (ISM) Dhanbad for a three-day **Executive Development Program on Mining Equipment Health and Safety Practices**, which commenced today.

Organized by the **Department of Mechanical Engineering**, the program aims to equip participants with comprehensive knowledge of modern safety protocols, predictive maintenance strategies, and cutting-edge technological advancements that enhance the efficiency, reliability, and longevity of mining equipment—while maintaining strict adherence to health and safety standards.

The inaugural session was graced by **Shri D. B. Naik**, Deputy Director General of Mines Safety, DGMS Headquarters, who served as the **Chief Guest**, along with **Prof. Dheeraj Kumar**, Deputy Director, IIT (ISM) Dhanbad.

In his keynote address, Shri Naik emphasized the often-overlooked importance of equipment selection in mine planning. “Proper equipment planning is not only vital for worker safety but also for the long-term health and sustainability of mines,” he stated. He urged participants to move beyond traditional methods and adopt innovative technologies introduced during the training for better mining practices.

Prof. Dheeraj Kumar highlighted the vital role that Mechanical and Electrical Engineering play in ensuring uninterrupted mining operations. “The success of mining activities largely depends on well-designed and properly maintained equipment, adapted to the evolving needs of the industry,” he remarked.

The event’s coordinator, **Prof. Ajit Kumar**, delivered the welcome address and outlined the objectives of the program. He shared that, over the three days, participants would gain both theoretical insights and practical exposure to real-world applications of equipment safety and maintenance.

**Prof. N. K. Singh**, Acting Head of the Department of Mechanical Engineering, provided an overview of the department’s academic legacy, current programs, and state-of-the-art infrastructure.

The inauguration concluded with a vote of thanks delivered by **Prof. Nirajan Kumar**.

Key themes of the program include:

- Advancements in mining equipment health monitoring and maintenance
- Risk assessment and compliance with mining safety regulations
- Predictive maintenance techniques using IoT and AI-based diagnostics
- Case studies on safety protocol implementation
- Strategies to improve decision-making and minimize operational risk

The program will run through **May 23, 2025**, and is expected to significantly contribute to strengthening the safety culture and technological capability of India’s mining sector.

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