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## **PRESS-RELEASE**

### **IIT (ISM) Dhanbad Partners with NIAMT Ranchi to Revolutionize Manufacturing of Mining Machinery**

In a significant step towards fostering innovation and sustainable practices in manufacturing, the IIT (ISM) Dhanbad has signed a Memorandum of Understanding (MoU) with the National Institute of Advanced Manufacturing Technology (NIAMT), Ranchi. This partnership aims to advance the manufacturing of mining machinery within a sustainable and circular framework, aligning with the principles of Industry 4.0.

The MoU was signed today at the administrative block of IIT (ISM) by Prof. Sukumar Mishra, Director, IIT (ISM) Dhanbad, and Prof. Partha Protim Chattopadhyay, Director, NIAMT. The collaboration emphasizes networking, knowledge exchange, and mutual benefit, with a focus on participation, reciprocity, and frequent interactions between the two premier institutions.

#### **Key highlights of the MoU include:**

- **Joint Research and Development:** Collaborative projects and programs to advance manufacturing technologies and operations.
- **Resource Sharing:** Utilization of facilities and expertise for mutual growth.
- **Exchange Programs:** Opportunities for students and faculty to engage in knowledge-sharing initiatives.
- **Sustainability:** Strategies for the reuse of manufacturing machinery, resource optimization, and adoption of environmentally friendly processes.
- **Technology Integration:** Emphasis on automation, IoT, total quality management, and performance optimization.
- **Skill Development:** Establishment of incubation and training programs to nurture talent and entrepreneurial skills.

The ceremony was attended by prominent figures, including Dr. Suvrokanal Dutta, an internationally acclaimed political, economic, and foreign policy expert, and senior faculty members from both institutions. Key attendees included Prof. Dheeraj Kumar, Deputy Director, IIT (ISM) Dhanbad; Prof. Alok Das, Dean of Industry Institute Engagement, IIT (ISM); Prof. Sagar Pal, Dean of Research and Development, IIT (ISM); Prof. Amit Rai Dixit, Dean of Infrastructure, IIT (ISM); Prof. Somnath Chattopadhyay, Head of the Department of Mechanical Engineering, IIT (ISM); and Prof. Anoop Kumar Sood from NIAMT's Department of Mechanical Engineering.

NIAMT, formerly known as the National Institute of Foundry and Forge Technology, is a premier technical institution specializing in advanced engineering education, research, and consultancy services. This collaboration with IIT (ISM) Dhanbad is expected to create significant advancements in the field of manufacturing, contributing to a sustainable and technology-driven future.

Rajni Singh

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