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PRESS-RELEASE

Expert Lecture on Balancing Environmental Protection with Industry Sustainability at IIT (ISM).

Dr. M Velan, Adjunct Faculty Professor at the Department of Mechanical Engineering, Indian Institute of Information Technology, Design and Manufacturing (IIITDM) Kancheepuram, and former Advisor for Environment, Projects & Business Development at NLC India Ltd, delivered a keynote lecture titled "Balancing Environment Protection with Industry Sustainability: A Case Study of Successful Mining Industry" at the Seminar Hall of IIT (ISM) Dhanbad.

This lecture was part of the Mission LiFE Keynote Lecture Series [2024-25], themed "Integrative Approaches to Sustainable Development: Innovations, Challenges, and Solutions," organized by the EIACP Programme Centre (RP) within the Department of Environmental Science and Engineering at IIT (ISM) Dhanbad.

Dr. Velan's hour-long presentation aimed to address the adverse environmental impacts associated with the mining industry while emphasizing effective environmental management practices necessary for maintaining ecological balance. His extensive research interests encompass Green Product Design, Sustainable Manufacturing, Carbon Capture Utilization and Storage, Artificial Intelligence and Sustainability, and Life Cycle Assessment, among others.

During the lecture, Dr. Velan discussed exemplary reclamation and restoration strategies implemented in the lignite mining sector, showcasing successful initiatives that restore ecosystems to their original state or enhance them further. He also presented a field study on integrated farming systems that embody the principles of the circular economy, highlighting innovative approaches to sustainable development.

The session provided valuable insights into the intersection of environmental protection and industrial sustainability, fostering a deeper understanding of the challenges and solutions in the mining industry.

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