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## **PRESS-RELEASE**

### **IIT (ISM) Dhanbad Hosts National Training Program on Petroleum Production Challenges Under MMTTP**

The Department of Petroleum Engineering at the Indian Institute of Technology (Indian School of Mines), Dhanbad, is conducting a one-week short-term training program titled “**Petroleum Production – Operational Challenges and Its Mitigation**” from **July 14 to July 19, 2025**, under the prestigious **Malaviya Mission Teacher Training Programme (MMTTP)** of the **Ministry of Education, Government of India**, sponsored by the **University Grants Commission (UGC)**.

The ongoing program brings together renowned experts from academia and the petroleum industry to address real-world challenges and advancements in petroleum production. With the goal of empowering faculty members from engineering institutions across the country, the course is designed to bridge the gap between academic instruction and evolving industrial practices.

Over six days, the program is covering a broad spectrum of critical themes, including:

- **Day 1:** Production data surveillance, allocation techniques, and onshore surface production facilities.
- **Day 2:** Integration of AI/ML in petroleum operations and unconventional resources like shale and enhanced oil recovery (EOR).
- **Day 3:** Corrosion mitigation strategies and the potential of gas hydrates as future energy sources.
- **Day 4:** Adoption of green technologies and offshore production system analysis.
- **Day 5:** Management of formation damage and processing of both offshore and onshore facilities with emphasis on biomass utilization.
- **Day 6:** Advanced well stimulation techniques, reservoir fluid characterization, and coalbed methane (CBM) development challenges.

This academic endeavor is being steered under the visionary leadership of **Prof. Archana**, Program Coordinator, whose guidance and dedication were instrumental in designing and executing the course. **Prof. Tarun Kumar Naiya**, Program Co-Coordinator, has ensured smooth technical execution and coordination of all sessions.

The inaugural session was graced by **Prof. Mrinalini Pandey**, Chief Guest and Programme Director, MMTTP, who emphasized the importance of faculty development in fostering innovation and excellence in technical education. The Department extends its heartfelt gratitude to MMTTP for its sponsorship and continuous encouragement. Special thanks are also due to the distinguished speakers, organizing committee members, and all participating faculty from across India for their enthusiasm and contribution, which are key to making this training program a resounding success.

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