



# भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद Indian Institute of Technology (Indian School of Mines), Dhanbad

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## **PRESS-RELEASE**

### **IIT (ISM) Dhanbad and Birsa Agricultural University Experts Conduct Treatment Workshop for Farmers in Fatehpur Block, Jamtara**

In a significant step towards promoting scientific farming techniques among local farmers, the Department of Management Studies and Industrial Engineering at IIT (ISM) Dhanbad, under the leadership of Prof. Rashmi Singh, organized a one-day Treatment Workshop for Farmers in Fatehpur Block, Jamtara. The initiative, conducted in collaboration with experts from Birsa Agricultural University, Ranchi, aimed at addressing critical agricultural challenges faced by farmers in the region, with a special focus on soil health and plant disease management.

The workshop was organized as part of the ongoing project titled "*Improving the Economic Well-Being of Scheduled Tribe Communities (ST) Using Game Theoretic and Operations Research Techniques in Jamtara District of Jharkhand State.*" The objective was to equip farmers and villagers with expert guidance and scientific solutions to improve agricultural productivity and sustainability.

Fatehpur, known for its diverse geographical and agricultural conditions, supports the cultivation of various crops, including rice, wheat, pulses, oilseeds, and vegetables, which form the backbone of the local economy. The region is characterized by a mix of plains and hilly terrains with predominant soil types such as alluvial, red, and lateritic soils, each playing a crucial role in agricultural output.

The workshop featured two distinguished scientists from Birsa Agricultural University: Dr. Arvind Kumar, a renowned soil expert, who delivered an insightful session on soil health conditions and effective strategies to enhance soil fertility, and Dr. M.K. Burnwal, an expert in plant pathology, who discussed prevalent plant diseases and their mitigation strategies, providing farmers with essential knowledge to protect and improve crop yields.

Additionally, esteemed academicians and researchers from IIT (ISM) Dhanbad contributed to the event, including Prof. Niladri Das, Co-Principal Investigator of the project, along with Deep Chaudhury, Pawan Kumar, Nilesh Kumar, Sunny, Anand Chandra Sahu, and Sumana Banerjee. Their expertise facilitated in-depth discussions on innovative agricultural techniques and sustainable farming practices, ensuring a valuable and comprehensive learning experience for the attendees.

This workshop marks a significant step in empowering the local farming community with scientific knowledge, ultimately leading to improved agricultural productivity and economic benefits. Notably, IIT (ISM) Dhanbad has been actively conducting similar workshops in the Jamtara district, with sessions previously held in Narayanpur Block on Sunday and Karmatand Block on Monday, reinforcing its commitment to fostering sustainable farming practices in the region.

Rajni Singh

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