



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

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## **PRESS RELEASE**

**IIT (ISM) faculty members mentor students of remote school of Tundi Block of Dhanbad to understand complex Geometrical Shapes using 3 D Techniques during a workshop held as part of DST project.**

The complexities of Trigonometric formulae and Geometric shapes intriguing the young minds were simplistically explained by expert faculty members of IIT (ISM) during a special session held today at High School Tundi, a state government run school, located in remote Tundi block of Dhanbad.

The occasion was a workshop organized by Prof Rashmi Singh, Assistant Professor of and Department of Management Studies and Industrial Engineering of IIT (ISM) in school campus at Tundi under the Department of Science & Technology sponsored project, titled, **Motivate School Students and Teachers Concerning the Relevance of Science and Technology through Innovative Communication Techniques** during which altogether 273 students, including 115 boys and 122 girls were present.

The IIT (ISM) team comprising of Prof Niladri Das of Department of Management Studies and Industrial Engineering as Invited speaker and others, including, Mrs Kalyani Kumar as project staff and Mr Dipendra & Mr Roushan Kumar Pandey as project assistants, later also taught 3 dimensional shapes to the students with live models to make them familiar with the structures that have length, width and height.

“We dealt with cube, rectangular prism, sphere, cone, and cylinder during the workshop” said Prof Singh and added that learning 3 D shapes can also help in the artistic development of students as this can help to enhance their creativity and innovative thought process.

Prof Niladri Das said, “The understanding of 3 D shapes can foster better visualization and increase multiple perceptions, which plays crucial role in child development”

Abhimanyu Kumar, Headmaster of the school said, “Though, Mathematical classes are held regularly in school but such workshops played crucial role in arousing the interest of students toward the subject which otherwise is considered mundane”

“All this due to use of unconventional method like 3 D techniques used to complex things quite simplistically” further said Kumar.

He further said that their school established way back in 1952 caters to educational requirement of altogether 1613 students, including 789 boys and 830 girls of remote areas of Tundi block of Dhanbad.

Anil Soren, a class X student, who attended the workshop held today said, “The 3 D models of different shapes brought by visitors from IIT (ISM) helped them to understand the shapes like rectangular prism, sphere, cone etc in the better way”

Notably, this was the 25 workshop in series under the project which began in August 2022.

Rajni Singh

**Dean (Corporate Communications)**