



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

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PRESS RELEASE

IIT (ISM) team of faculty members and research scholars unravel the complexities of Science and Mathematics to school students of remote Tundi block using 3-D techniques.

Altogether 52 students of upgraded Middle School, Rupan of remote Purbi Tundi block of Dhanbad, situated about 40 kms from Dhanbad district headquarters had a different learning experience today as they got clues of solving geometrical sums from the experts of IIT (ISM) Dhanbad.

The occasion was a day long workshop organized by the team of Department of Management Studies and Industrial Engineering of the IIT (ISM) under the project, titled, "Motivate School Students and Teachers Concerning the Relevance of Science and Technology Through Innovative Communication Techniques" during which the wide variety of geometrical shapes including, polygon, heptagon, pyramid, trapezium, rhombus, ellipse, sphere, cone, parallelogram etc were explained by the team members led by Principal Investigator of project Prof Rashmi Singh.

The team comprising of Niladri Das, Associate Professor of Department of Management Studies, Kalyani Kumari, Project Staff and Dipender & Md Shahnawaz who were carrying wide of variety 3 D Models of geometric shapes besides carrying equipment's like projectors etc , generated curiosity among the participating students, who were accompanied during the workshop by three teachers, led by Gopal Chandra Mahto, principal of the school.

"This was the 21st workshop being organized under the series which began during August last year and we concentrated this time on use of 3-D techniques as it offers visualization which is more penetrative and engaging and also allow learners to strengthen their analytical and critical thinking process" elaborated Prof Singh, who is assistant professor in the Department of Management Studies and Industrial Engineering of IIT (ISM)

"The teaching carried out using 3-D techniques also stimulates curiosity and encourage students for exploration, experimentation and innovation" further explained Prof Singh.

"The usage of 3-D techniques enables students to visually and tangibly experiment with a variety of Mathematical and Scientific concepts" said Prof Niladri Das who was present during the workshop as invited speaker.

Gopal Chandra Mahto, Principal of the school said, "our's is one of oldest schools of the region established way back in 1955 and participating students, majority of which belonged to the Scheduled Tribe, were in all praise for visitors of IIT (ISM) who explained the complex theorems of Geometry quite easily"

Tulsi Soren (18), a class VIII student of the school said, "The 3-D models of geometrical shapes brought by the visitors from IIT (ISM) helped me to understand the calculations methods of perimeters and areas of different geometrical shapes, quite easily"

Rajni Singh

Dean (Corporate Communications)



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