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## PRESS RELEASE

### **24 Students of De Nobili FRI (Digwadih) explore the cutting edge technology at state of the art laboratories of IIT (ISM) under the K-12 outreach programme.**

Altogether 24 students of Class IX to XII of De Nobili School FRI accompanied by their two teachers today visited the state of art laboratories of IIT (ISM) under the K-12 Outreach Programme during which they came to know about the latest researches being conducted in the field of Mining Technology and also learnt usage of high end equipment's in Innovative activities being carried out at the institute.

The occasion was the 4th edition of the K-12 Outreach programme being organized by Media and Branding office which began sharp at 10 a.m. this morning from the Mechanical and Rapid Prototyping Lab of Naresh Vashisht Centre for Tinkering and Innovation (NVCTI) situated in Central Research Facility Building of the institute.

Here, the visitors came to know about the usage of Lathe Machine and CNC milling for giving shape to prototypes based on the ideas of innovators.

This was followed by the visit of the students to Electronics and IOT Centre of NVCTI equipped PCB fabrication machine, hot air soldering and desoldering station, digital multimeter and digital power supply where the visitors came to know about the usage of Electronics designing for Industrial application.

At Pouch Battery Station, another facility of NVCTI the students witnessed the high end equipments, including slurry cutting, calendaring machine, glove vox system, battery analyzer and pouch forming machine, used for fabrication of prototype batteries etc.

They also witnessed the usage of 3-D Printing machine.

Rajen Dasgupta, Executive officer of NVCTI said, "The students appeared quite inquisitive during their visit and asked a number of questions"

They later moved to TEXMiN, the coal technology innovation hub of IIT (ISM) a section 8 company set up under the National Mission for Interdisciplinary Cyber Physical System of Department of Science and Technology in 2020 meant for promoting indigenous technology in Mining Technology sector, where they learnt about the researches being carried for developing technologies from ensuring, safe, smart and sustainable mining.

At Sandvik Mine Automation Learning Centre situated in TEXMiN, the students were apprised about the innovative activities being carried out in the mining sector under the different startups incubated by NVCTI.

Prof Rajni Singh, Dean Media & Branding, IIT (ISM) said " We launched the K-12 outreach programme as per the objectives of National Education Policy to arouse the interest of the students in Science Technology Engineering and Mathematics (STEM) as per which the students of

two schools including DAV Public School Sindri and Shraddhanand Higher Secondary School, Kamre, Ranchi visited the different laboratories on the inaugural day on June 23. This was followed by visit of students of Dhanbad Public School on June 24 while the students of DAV Koylanagar and Kendriya Vidyalaya Maithon visited the on July 14.

Rajni Singh

***Dean (Media & Branding)***