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PRESS RELEASE

Budding Technocrats and Industry representatives delve deep into the problems of mining Industry to find solutions using Artificial Intelligence (AI) and Machine Learning (ML) Technologies during the biggest Geo Mining Fest of Country- Khanan'22

As the three day technical events of the four day geo mining fest, Khanan'22 being organized by Technology Innovation Hub of IIT (ISM), TEXMiN began at the institute today the participating students of IIT (ISM) and various other industries learnt about development of telematics solutions for the mining and gas Industry and also simultaneously delved into the intricacies of big data, cloud computing and also usage of data for making real life decision.

The occasion was a **Real Time Telematics workshop** organized at 3rd floor of CRE Building of IIT (ISM) during which they also got the opportunity to have hands on experience on using Artificial Intelligence (AI) and Machine Learning (ML) technologies for practical industrial applications.

Altogether 20 students of the host institute, besides some representatives of Maithon Power Limited (MPL), a Public Private Partnership Company of Damodar Valley Corporation (DVC) and Tata Power took part in the workshop.

The day also provided the opportunity to 20 selected students to understand the technology of merging the physical world with the digital world or simulated reality during the workshop titled, **3D Immersion** organized by TEXMiN in association with Dassault 3DS.

The participants during the event were exposed to complete process of preparing virtual reality and Hologram Models using various data acquisition tools.

They also learnt about creation of texture objects in Unity 3-D in order to finally experience the built models in Oculus sets.

The knack of students to effectively and productively find the solutions of various concerns and topics in the science domain is also set to scanned during the event titled, **War O' Words** scheduled during the evening from 7 p.m at New Lecture Hall Complex (NLHC) of the institute.

Finally, in order to provide break to the students from the formal events, **Gamicon** in scheduled from 10 p.m. to 12 a.m. during which online multiplayer phone or laptop games will be conducted. The event will also provide the participants to realize the significance of teamwork and dedication which can do wonders.

During the day-2 the technical events of the four day Geo Mining Fest on Saturday (November 5) altogether 10 events including two different round of quiz competition titled-Quizzine, a Panel discussion (Start-ups Unplugged), Sandvik Mine Automation Workshop, Sensor Technology Workshop, Aero modelling & Drone Workshop, a guest lecture, a placement event and Nirvana-an event that will provide the opportunity to the students to solve the most intriguing problems of the mining industry are scheduled.

'Khanan an annual Mining Tech-Fest of the Society for Mining, Metallurgy and Exploration (SME-USA India Chapter provides an excellent opportunity for the young, buzzing minds of the mining and earth sciences community to compete with the best and the brightest talents from all over the country. This time Khanan'22 is being co-organized by TEXMiN, SME-USA, IIT (ISM) Dhanbad and CIL Innovation & Incubation Centre (CIIC).

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