



**CIL INNOVATION &  
INCUBATION CENTRE**



**IIT (ISM)  
DHANBAD**

# MONTHLY REPORT



**DECEMBER  
2025**

**“Transforming Ideas into  
Scalable Innovations”**

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**कोल इण्डिया लिमिटेड  
Coal India Limited**  
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Technology Innovation Hub of IIT (ISM) Dhanbad



## FROM THE DESK OF HOC

### **Academic Outreach & Pre-Incubation Program organised at CIL Innovation & Incubation Centre**

The CIL Innovation & Incubation Centre successfully conducted the Pre-Incubation Presentation: Evaluation and Selection of Innovative Ideas through a Standing Project Evaluation Committee (SPEC). A diverse set of nine proposals was received from aspiring innovators, reflecting a strong spirit of creativity and problem-solving. The SPEC assessed the submissions based on creativity, feasibility, societal impact, and potential for technological advancement. The selected proposal will now move into the structured pre-incubation phase, where participants will receive seed funding, mentorship, technical guidance, and support for the development of the project prototype.

This month, the Centre was honoured to host the students and faculty of Saraswati Shishu Vidyalaya Mandir (SSVM), Giridih. The visit provided young learners with an opportunity to engage with emerging technologies, understand the innovation ecosystem, and interact with our research and development facilities. Such engagements play an important role in fostering curiosity, scientific temperament, and innovative thinking among students.

These activities reiterate our commitment to encourage innovation at both the grassroots and professional levels. We look forward to providing continued support to the new creative and innovative ideas and guiding the young innovators as we work together to build a vibrant and future-ready innovation ecosystem.

**Prof. Rabindra Kumar Sinha**  
Head of the Centre  
CIL Innovation & Incubation Centre  
IIT(ISM) Dhanbad



# Pre-Incubation Programme: Evaluation and Selection of Innovative Ideas



The CIL Innovation & Incubation Centre conducted a Pre-Incubation Drive on 16th December 2025 as part of its structured selection process for identifying high-potential candidates and innovative ideas for Pre-incubation and Seed Funding under the Centre's incubation framework. The presentation program aimed to identify promising innovations in the mining sector and to provide focused mentorship and institutional support to transform selected ideas into viable products with entrepreneurial potential.

A total of nine proposals were received by the centre, and only four could be evaluated in detail by the Standing Project Evaluation Committee (SPEC) on criteria such as innovative technical feasibility and entrepreneurial potential, and the remaining five proposals were deferred for the next SPEC meeting. Out of these four proposals, two proposals were selected for Pre-Incubation. The selected incubatees Dr. Manjunath GL of M/s TechXEarth Pvt Ltd and Mr Rakesh Kr. Yadav presented ideas on CO<sub>2</sub> capture, utilisation, and storage, and Slope Stability Analysis, respectively.

This initiative reflects the Centre's continued commitment to fostering innovation, supporting entrepreneurial talent, and strengthening the innovation ecosystem in the mining sector.

# Academic Outreach: Visit of SSVM Giridih at CIL Innovation & Incubation Centre

The CIL Innovation & Incubation Centre hosted students and faculty from Saraswati Shishu Vidya Mandir (SSVM) Giridih on 16th and 19th December 2025 as part of its academic outreach initiatives. The visit aimed to provide exposure to the Centre's innovation ecosystem and research facilities encouraging young mind towards innovation and entrepreneurship.

During the visit, participants walked through the Design Thinking Lab, AR-VR Lab, Mine Automation Lab, and interacted with officials of the Centre, gaining insights into ongoing innovation activities and applications of technology in the mining sector. The initiative reflects the Centre's commitment to fostering scientific temper and promoting innovation among young learners.



# Team Profile of the CII Centre



**Prof. R.K Sinha**  
Head of the Centre



**Mr. Rahul Raj**  
Executive Officer



**Mr. Deepak Kuamr**  
Technical Assistant



**Mr. Binod Kumar**  
Technical Assistant

# Team Profile of the CII Centre



**Mr. Vimal Kr. Mahato**  
Junior Technician



**Mr. MD. Shourab**  
Junior Technician



**Ms. Arti Kumari**  
Office Assistant



**Mr. Rohit Kr. Goswami**  
Young Professional



**Mr. Neetish Raj**  
Young Professional