



SME
IIT (ISM)



KHANAN'25

The Annual Techno-Mining Fest
25-26 October 2025



Organised by
**DEPARTMENT OF
MINING ENGINEERING
IIT(ISM) Dhanbad**

In association with SME
IIT(ISM) Student Chapter

**INFORMATION
BROCHURE**

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ABOUT IIT (ISM)

IIT (ISM) Dhanbad is a premier engineering institute in India, renowned for its expertise in mining, mineral, petroleum, and applied geology. Established in 1926, the institute proudly celebrates a century of academic excellence and innovation, marking 100 years of a rich legacy in shaping the future of engineering and technology. It has a deep-rooted history of professional as well as cultural heritage, with several fests and clubs fostering an environment ideal for holistic growth. The institute has built a strong reputation for producing highly skilled professionals and industry leaders. It offers a wide range of undergraduate and postgraduate programs in engineering, science, and management. With its focus on research and innovation, IIT (ISM) Dhanbad plays a vital role in advancing technological advancements in the mining and related industries.



ABOUT THE DEPARTMENT

Established in 1926 by Lord Irwin, the then Viceroy of India, concurrently with the founding of the Institute, the Department of Mining Engineering has grown over 99 years to become the largest of its kind in India. It boasts excellent facilities for teaching and research, with extensive involvement in the coal, metalliferous, and construction sectors.

The Department is recognized as a QIP Centre, enabling faculty members from other Mining Engineering Departments across the country to pursue higher studies (M.Tech. and Ph.D.). Its alumni have consistently achieved prominent positions in government, academia, research organizations, and the mining industry, both domestically and internationally.

Reflecting its high standards of teaching and research and significant contributions to the mining industry, the Department has been ranked 20th globally in the QS World University Ranking-2025 in the Mining and Mineral Engineering discipline, which is the highest QS Rank in the country.



ABOUT KHANAN

"KHANAN," the Annual Techno-Mining fest of IIT (ISM) Dhanbad, organized by the Department of Mining Engineering in association with the SME IIT (ISM) Student Chapter. Its core mission is to bring together the students from various mining and allied disciplines across the country, and providing them with a platform to showcase their talents and capabilities.

Over two days, the event hosts a diverse range of activities, including interactive discussions, insightful talks by industry leaders, research paper presentations, practical case analyses, and communication skill development sessions. "KHANAN" fosters an immersive learning environment, allowing aspiring mining and science students to engage with real-world scenarios and industry challenges. This fest is designed to equip students with essential skills for their future careers, with a key focus on enhancing decision-making and problem-solving abilities, and empowering them to tackle complex issues. Through their participation in "KHANAN," students not only demonstrate their potential but also gain invaluable knowledge and expertise, contributing significantly to their personal and professional growth.



MESSAGE OF FACULTY ADVISOR & CONVENER

Prof. Devi Prasad Mishra

“Mining Engineering is a dynamic and constantly evolving field encountering increasingly complex challenges as we delve deeper into the Earth's crust in search of valuable mineral resources.



Undoubtedly, the mining industry plays a pivotal role in ensuring the energy security of industrialized nations worldwide. A shining example of excellence in this domain is the Department of Mining Engineering at the prestigious Indian Institute of Technology (Indian School of Mines) Dhanbad, which has been ranked 20th globally in the QS (Quacquarelli Symonds) World University Rankings in Mineral and Mining Engineering Discipline. This institution has garnered a reputation for not only imparting top-notch education but also for actively engaging in groundbreaking national and international research endeavors that shape the future of mining industry. Equally noteworthy is the significant role that students play in propelling the department's growth. A prime example of this student-driven evolution is the Society of Mining Engineers (SME), IIT(ISM) Student Chapter. This dynamic organization is dedicated to creating a platform where the aspiring mining and earth science students can not only showcase their diverse talents but also compete at a national level.”

KHANAN EVENTS

MINING OLYMPIAD

Embarking on an all-encompassing journey, this event spans diverse topics, including science, business, technology, arts, sports, history, and more. It features two rounds: a pen-paper quiz followed by a rapid-fire challenge, offering a thrilling intellectual experience with no limits.



GENERAL QUIZZINE

Quizzine challenges the mining enthusiasts with geo-puzzles to test their knowledge. This dual-stage event features a pen-paper quiz followed by a rapid-fire round, where only the sharpest mining engineers will succeed. Participants will work in teams, navigating the depths of intellect to unearth brilliance.



NIRVANA

This event invites participants to solve key challenges in the mining industry by addressing either Khanan's predefined problem statement or presenting their own problem statements along with corresponding solutions. The two-round competition begins with an online submission, followed by a presentation round. Winners will be judged on the quality and feasibility of solutions presented by the participants.



MINE DESIGNNOTHON

Khanan'25 is hosting an invigorating hackathon competition, where the students will tackle a mine design challenge through the event's official website, revealed on the event's first day. Participants have 48 hours to brainstorm and craft an optimal solution collaboratively. This intellectual journey will conclude with a comprehensive assessment, where a selective jury will meticulously evaluate the solutions, ensuring fairness and accuracy.



DEZYN-O-MANIA

Coal India Innovation and Incubation Center at IIT (ISM) hosts a collaborative event where students will tackle real mining design problems, focusing on safety, efficiency, ergonomics, and throughput. Selected students build physical models of their designs using CIIC and IIT (ISM) workshops, gaining hands-on experience, networking with industry experts, and showcasing their creativity. This event enhances the practical skills and offers potential career opportunities in mine design.



PLACEMENT FEVER

This event offers students a realistic simulated campus placement experience through three key rounds: an Aptitude Test to assess cognitive skills, a Group Discussion to enhance collaborative abilities, and an interview environment to provide insights into the placement process.



THE NEXT BIG THING

This event engages in spirited competition, pitting the ideas among the brightest engineering intellects. This stage offers a canvas to present the concepts and visions of the participants for their dream company, fostering exchange of ideas that fuels innovation and sparks creativity. Here, a rich exchange of ideas flourishes, becoming the catalyst for innovation and the ignition for boundless creativity to thrive.



PANEL DISCUSSION

Experience and skill outweigh mere knowledge. Officials from CIL, industry professionals from metal mines, and esteemed academicians will share their invaluable insights. Their collective wisdom will highlight key issues in the mining sector, promoting enlightenment and progress.



WAR-O-WORDS

Step into the thrilling debate contest at KHANAN'25, where your persuasive skills will shine on the grand stage of IIT (ISM) Dhanbad. Compete with the best and let your skill in persuasion dazzle as you stand centre stage, embraced by the intellectual radiance of IIT (ISM) Dhanbad.



KALAKRITI

Join the drawing competition at Khanan, part of our corporate social responsibility (CSR) event. Use art to raise awareness and make a positive impact on society. Let your creativity spark conversations and contribute to a better future!



GAMICON

Taking a break from formal events, enjoy two nights of online games on your phone or laptop. It's a chance to relax, connect, and see how skills like attention, teamwork, and commitment can lead to great outcomes.



KHANAN MAFIA

Khanan'25 features the thrilling Khanan Mafla event, designed to energize and challenge participants. Dive into exciting geo puzzles that will test your mind and uncover the calmest thinkers. Only the most determined will reach the final stage. Get ready to prove your skills and join the ranks of the winners!



PAST WORKSHOPS



MINING ROBOTICS AND AUTOMATIONS

The Mining Robotics and Automation Workshop gathers industry leaders, researchers, and students to discuss the latest advancements in robotics and automation for mining. Topics include autonomous vehicles, robotic equipment, and inspection robots. The event highlights robotics' potential to make mining safer, more efficient, and cost effective, offering a valuable networking opportunity for professionals in the field.

MINERAL MARKET AND GLOBAL TRADE

The mineral market and global trade workshop is an event that will provide participants with an overview of the global mineral market, the latest trends in mineral trading, and the challenges and opportunities facing the industry. The workshop will also cover topics such as mineral pricing, risk management, and compliance. The workshop is designed for professionals working in the mineral industry, including miners, traders, analysts, and policymakers.



MINE PLANNING AND DESIGN

The mine planning and design workshop is a training event that teaches participants the principles and practices of mine planning and design. The workshop typically covers topics such as geological modelling, mine scheduling, economic analysis, and environmental impact assessment. The goal of the workshop is to equip the participants with the skills they need to develop safe, efficient, and environmentally sound mine plans. A mine planning and design workshop can be a valuable event for anyone involved in the mining industry.

MINING EQUIPMENT AND TECHNOLOGY

The Mining Equipment and Technology Workshop is a two-day event that brings together industry leaders, experts, and innovators to discuss the latest trends and technologies in the mining industry. The workshop will cover a wide range of topics, including: Autonomous mining equipment, Machine learning for mining, 3D printing in mining, Digital twins for mining, Safety and health in mining.



SPONSORSHIP TITLES

PLATINUM SPONSOR

OFFERINGS :

Rs. 5,00,000 + 18% GST

- Display of Logo on Khanan'25 website, digital/printed materials, and social media.
- Invitations to Khanan'25.
- Display of Logo on hoardings/flex at IIT (ISM) Dhanbad
- Number Of Delegates : 5
- Option to include goodies/brochures in gift bags.
- Speaker slot at the closing ceremony.
- Brand mention in media articles.
- Display of Logo in the After Movie on social media platforms.

GOLD SPONSOR

OFFERINGS :

Rs. 4,00,000 + 18% GST

- Display of Logo on Khanan' 25 website, digital/printed materials, and social media.
- Invitations to Khanan'25.
- Display of Logo on hoardings/flex at IIT (ISM) Dhanbad.
- Number Of Delegates : 30
- Option to include goodies/brochures in gift bags.
- Speaker slot at the closing ceremony.
- Brand mention in media articles.
- Display of Logo in the After Movie on social media platforms.

SILVER SPONSOR

Rs. 3,00,000 + 18% GST

OFFERINGS :

- Display of Logo on Khanan' 25 website, digital/printed materials, and social media.
- Invitations to Khanan'25.
- Display of Logo on hoardings/flex at IIT (ISM) Dhanbad.
- Number Of Delegates : 2
- Option to include goodies/brochures in gift bags.
- Speaker slot at the closing ceremony.
- Brand mention in media articles.
- Display of Logo in the After Movie on social media platforms.

BRONZE SPONSOR

Rs. 2,00,000 + 18% GST

OFFERINGS :

- Display of Logo on Khanan' 25 website, digital/printed materials, and social media.
- Invitations to Khanan'25.
- Display of Logo on hoardings/flex at IIT (ISM) Dhanbad.
- Number Of Delegates : 2
- Speaker slot at the closing ceremony.
- Brand mention in media articles.
- Display of Logo in the After Movie on social media platforms.

ASSOCIATE SPONSOR

Rs. 1,00,000 + 18% GST

- Number Of Delegates : 1
- Logo recognition as Media Partners in all printed materials and e-posters.
- Display of Logo and link on Khanan'25 webpage.
- Logo listed in the event schedule.
- Continuous electronic display ads.
- One promotional piece in delegate packs.
- Long-term publicity in Annual Report, Future Brochures, and winner certificates.
- Social media promotion on Facebook, Instagram, and LinkedIn

FOOD SPONSOR

Rs. 50,000 + 18% GST

- Number Of Delegates : 1
- Display of name & logo on Khanan'25 social media (Instagram, Facebook).
- Display as Food Partner on the official website.
- 5 banners and 10 posters on campus.

LOGISTICS SPONSOR

Rs. 50,000 + 18% GST

- Number Of Delegates : 1
- Name & logo on Khanan'25 social media (Instagram, LinkedIn, Facebook) as LOGISTICS PARTNER.
- Display as Logistics Partner on the official website.
- 5 banners and 10 posters on campus.
- Display of name and logo in future brochures, annual reports, and other materials.

DELEGATE MEMBERSHIP

Rs. 20,000 + 18% GST

- For Industry Delegates.
- Experience the fest as an individual for just 20,000 INR (+18% GST).
- What's included: Your comprehensive fee covers more than just access - It provides delicious food, and exciting event goodies.

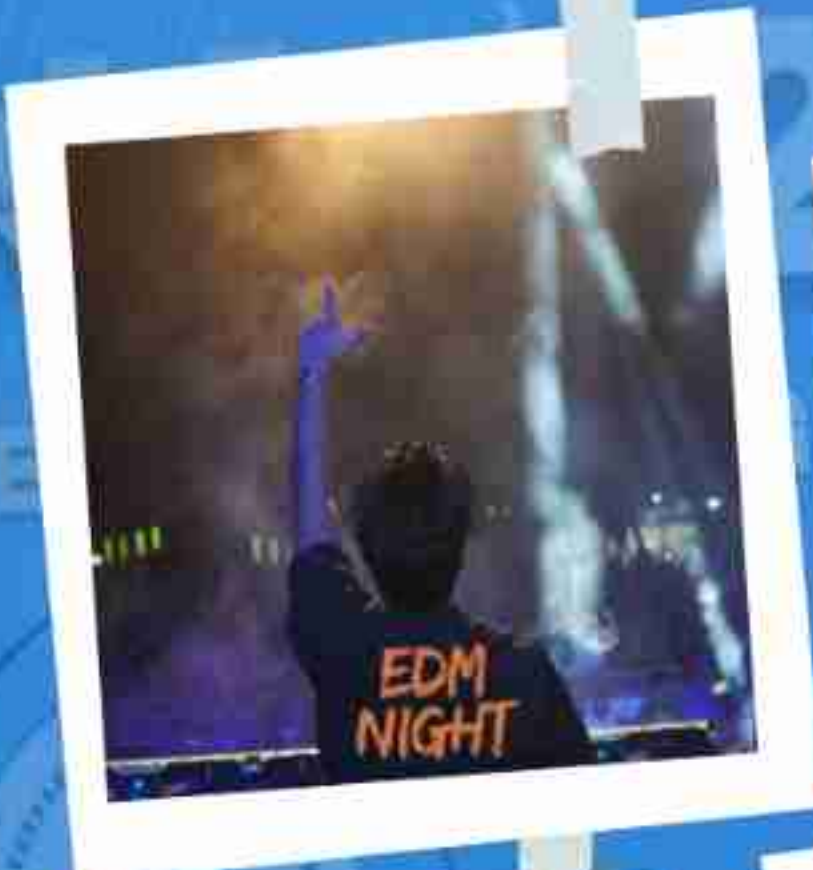
BANK A/C DETAILS

- A/c name: SME ISM STUDENT CHAPTER
- Account no: 34757707630
- Bank name: State Bank of India (ISM Campus Branch)
- IFS Code: SBIN0001641

PAST SPONSORS



PHOTO GALLERY



ORGANISING TEAM

Faculty Advisor & Convenor: Prof. D.P. Mishra (M: +91 6299882610)

SME President: Manish Kumar (M: +91 8935878941)

SME Vice-President: Deep Kumar Dey (M: +91 6204612079)

Secretary, ERAA: Affan Ahmed (M: +91 9798959100)

Secretary: Suraj Pradhan (M : +91 7463052015)

Ad. Secretary: Arpita Kumari (M : +91 9142004936)

Sponsorship and Finance Team

Advisor: Prof. Ashok Kumar & Prof. Ankush Galav

Student coordinator: Himanshu Singh

Members: Sidhant Saurav & Sumit Bhagat

Event Management Team

Advisor: Prof. D Gopi Krishna, Prof. Bhaskara Behera & Prof.MN Sahu

Student coordinator: Nakshatra Singh Jhala & Affan Ahmed

Members: Rajnee Kant & Prabal Chandra

Logistics & Hospitality Team

Advisor: Prof. Santosh Behera & Prof. Ajeet Yadav

Student coordinator: Koushik Mandal

Members: Saksham Kumar & Amit Jana

Media & Designing Team

Advisor: Prof. D Gopi Krishna & Prof. Ankush Galav

Student coordinator: Kundan Kumar & Himanshu Raj

Members: Bhanothu Sai Prasad & Naisha Gorli