



IIT INDIAN INSTITUTE
OF TECHNOLOGY
ISM INDIAN SCHOOL OF MINES
DHANBAD

Department of Mining Engineering



THE MINING EDGE

MONTHLY NEWSLETTER

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From HOD Desk



It gives me immense pleasure to present Volume 19 (March 2026) of The Mining Edge, reflecting the continued growth, achievements, and dynamic activities of the Department of Mining Engineering, IIT (ISM) Dhanbad. The past month has been marked by several significant milestones that highlight our commitment to academic excellence, research innovation, and industry collaboration. Our department takes pride in the global recognition achieved in the QS World University Rankings 2026, where we continue to maintain our position among the top institutions in the field of Mineral and Mining Engineering. This accomplishment is a testament to the relentless efforts of our faculty, students, and staff.

We were honored to host distinguished personalities and organize various academic and professional development programs, including executive training sessions, skill development initiatives under PMKVY 4.0, and specialized training programs in mine safety and controlled blasting. These initiatives not only strengthen industry-academia interaction but also contribute to nation-building by enhancing technical competencies and employability.

The visit of Nobel Laureate Shri Kailash Satyarthi was a moment of great inspiration for our academic community, reminding us of the importance of ethical responsibility and social commitment in engineering practice. Additionally, the inauguration of new research facilities under the FIST project marks a significant step forward in strengthening our research infrastructure.

I am also delighted to acknowledge the outstanding achievements of our students in competitive examinations such as GATE 2026, as well as the notable research contributions and consultancy projects undertaken by our faculty members. These accomplishments reflect the vibrant academic ecosystem of our department.

Beyond academics, events such as the Holi Milan programme foster a sense of unity and camaraderie, which are essential for a healthy and inclusive academic environment.

As we move forward, we remain committed to advancing knowledge, promoting sustainable mining practices, and nurturing future leaders in the field of mining and geotechnical engineering.

I extend my sincere appreciation to the editorial team for their efforts in bringing out this newsletter and congratulate all contributors for their valuable inputs.

Warm regards,
Prof. B. S. Choudhary
Head of the Department
Department of Mining Engineering
IIT (ISM) Dhanbad

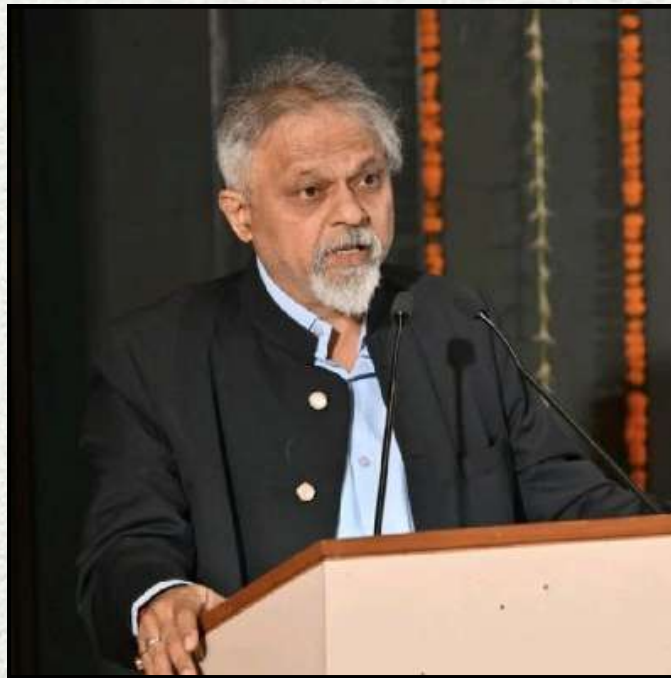
Ranked 21st globally, 1st in India, and within the top 100 in QS World University Rankings (Southern Asia)





Spotlight: Prof. S.K. Sinha Joins the Department

The Department of Mining Engineering, IIT (ISM) Dhanbad is pleased to welcome Prof. Satish Kumar Sinha, who joined the department as Professor of Practice in February 2026. He brings with him over three decades of rich and diverse experience spanning academia, industry, and sustainability leadership. Prior to this, he served as Vice President (Sustainability) at Adani Enterprises Limited, where he played a key role in advancing sustainability initiatives, and also contributed as Adjunct Professor at Adani University. His long academic association includes serving as Professor of Continuing Education at Indian Institute of Technology (Indian School of Mines), Dhanbad. He has also held significant positions such as Senior Manager at Indian Institute of Coal Management Ranchi and Mining Engineer at Central Coalfields Limited. Prof. Sinha's expertise in mining engineering, sustainable development, and professional training is expected to greatly enrich the department's academic and research ecosystem.



With a strong academic foundation, including a Ph.D. in Mining Engineering from IIT (ISM) Dhanbad and a B.Tech in Mining Engineering from BIT Sindri, Prof. Sinha has consistently demonstrated excellence in both teaching and applied research. His areas of interest encompass sustainable mining practices, safety management systems, and capacity building for mining professionals. Over the years, he has been actively involved in executive training programs, policy-oriented discussions, and industry-academia collaborations aimed at improving operational efficiency and environmental stewardship in the mining sector.

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Global Recognition of IIT (ISM) Dhanbad in QS World University Rankings 2026

The Indian Institute of Technology (ISM) Dhanbad has achieved remarkable recognition in the QS World University Rankings 2026 by Subject, reflecting its academic excellence and global standing. In the field of Mineral & Mining Engineering, the institute has secured an outstanding 21st rank globally and 1st position in India, reaffirming its leadership in mining education and research. In Petroleum Engineering, IIT (ISM) Dhanbad is ranked within the 151–175 band globally and 4th in India, showcasing strong performance in energy-related disciplines. Additionally, in Mechanical Engineering, the institute is placed in the 501–575 global rank band, indicating its growing presence in core engineering domains. These achievements highlight the institute's continued commitment to academic excellence, research innovation, and its significant contribution to engineering education at both national and international levels.



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Departmental Holi Milan Programme 2026

The Department of Mining Engineering successfully organized a Holi Milan programme on 3rd March 2026 at 5:30 PM in the Departmental Conference Hall. The event was conducted with the objective of fostering camaraderie, cultural harmony, and a sense of community among students, faculty members, and staff.



The programme witnessed enthusiastic participation, providing a vibrant platform for interaction beyond academic boundaries. Attendees engaged in informal discussions, shared festive greetings, and celebrated the spirit of Holi in an atmosphere marked by warmth and inclusivity. The event also served as an opportunity to strengthen interpersonal relationships within the department and to promote a healthy academic environment enriched with cultural values.

Overall, the Holi Milan programme was a memorable occasion that reflected the department's commitment to encouraging both academic excellence and social cohesion.





Assistant Mine Surveyor Training Programme under PMKVY 4.0

The Department of Mining Engineering at IIT (ISM) Dhanbad successfully organized the Skill Certificate Distribution Ceremony for the Skill Development Programme on Assistant Mine Surveyor under Pradhan Mantri Kaushal Vikas Yojana (PMKVY 4.0), in association with the National Skill Development Corporation. The programme, aimed at enhancing youth employability, witnessed the induction of 110 candidates across four batches, marking a significant step toward building an industry-ready workforce in the mining sector.



During the event, 40 Training of Trainers (ToTs) were awarded certificates by the Chief Guest, Prof. Dheeraj Kumar, who emphasized the importance of skill-based education in empowering youth and strengthening the nation's core sectors. The ceremony was also graced by Prof. Alok Kumar Das, Prof. B S Choudhary, and Dr. Sunil Kumar. The programme reflects the institute's continued commitment to supporting national initiatives and fostering practical, industry-aligned competencies among youth.

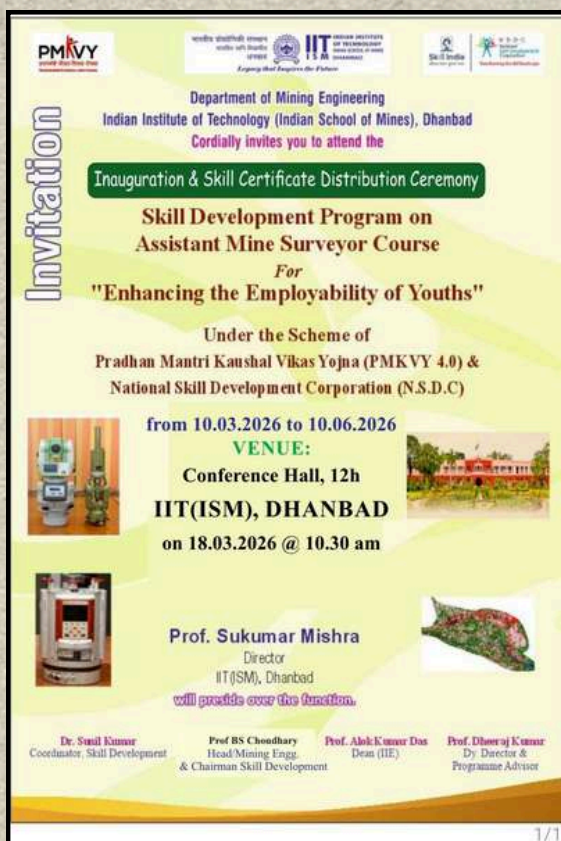
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Assistant Mine Surveyor Training Programme under PMKVY 4.0

The Department of Mining Engineering at Indian Institute of Technology (Indian School of Mines), Dhanbad successfully organized the Inauguration Ceremony for the Skill Development Programme on Assistant Mine Surveyor Course under the esteemed scheme of Pradhan Mantri Kaushal Vikas Yojana (PMKVY 4.0), in association with the National Skill Development Corporation. The event was held on 18th March 2026 at 10:30 AM in the Conference Hall of the institute.



PMKVY
Pradhan Mantri Kaushal Vikas Yojana

Department of Mining Engineering
Indian Institute of Technology (Indian School of Mines), Dhanbad
Cordially invites you to attend the

Inauguration & Skill Certificate Distribution Ceremony

Skill Development Program on Assistant Mine Surveyor Course
For
"Enhancing the Employability of Youths"

Under the Scheme of
Pradhan Mantri Kaushal Vikas Yojana (PMKVY 4.0) &
National Skill Development Corporation (N.S.D.C)

from 10.03.2026 to 10.06.2026
VENUE:
Conference Hall, 12h
IIT(ISM), DHANBAD
on 18.03.2026 @ 10.30 am

Prof. Sukumar Mishra
Director
IIT(ISM), Dhanbad
will preside over the function.

Dr. Sanil Kumar
Coordinator, Skill Development

Prof. BS Choudhary
Head/Mining Engg.
& Chairman Skill Development

Prof. Alok Kumar Das
Dean (IIE)

Prof. Dheeraj Kumar
Dy. Director &
Programme Advisor

1/1



The ceremony was presided over by Prof. Sukumar Mishra, Director of IIT (ISM) Dhanbad, whose presence added significance to the occasion. Other distinguished dignitaries included Prof. B S Choudhary, Head of the Department and Chairman of Skill Development, Prof. Alok Kumar Das, Dean (IIE), and Prof. Dheeraj Kumar, Deputy Director and Programme Advisor. They highlighted the role of such initiatives in empowering youth with industry-relevant competencies and contributing to national skill development goals. Overall, the programme reflects the department's continued commitment to fostering technical excellence, promoting vocational training, and supporting the broader vision of enhancing youth employability through structured skill development initiatives.

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Assistant Mine Surveyor Training Programme under PMKVY 4.0

The programme was formally inaugurated by Dr. Sunil Kumar, Technical Officer of the Department of Mining Engineering, who emphasized the importance of skill-oriented education in enhancing employability and bridging the gap between academic learning and industry requirements. The initiative witnessed an encouraging response, with nearly 110 students enrolling in the course.



The training programme commenced on 10th March 2026 and is scheduled to continue for a duration of three months, concluding on 10th June 2026. It is specifically designed to provide participants with a comprehensive understanding of mine surveying techniques, including both theoretical knowledge and practical exposure using modern instruments and technologies. The course aims to equip trainees with essential skills required in the mining sector, thereby improving their career prospects and readiness for industry challenges.



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PDP: On-Site Training on Controlled Blasting for BRO Officers in Sikkim

The Department of Mining Engineering at Indian Institute of Technology (Indian School of Mines), Dhanbad successfully organized a Two-Week Professional Development Programme on “Controlled Blasting Management and Safety for Road Construction” from 16th February 2026 to 28th February 2026 for young officers of the Border Roads Organisation. The programme was specifically designed to enhance technical proficiency and strengthen safety awareness in controlled blasting operations, particularly in the context of road construction projects executed in geologically complex and challenging terrains.



As an extension of this initiative, a field-oriented training component was conducted from 9th March 2026 to 14th March 2026 at Toong Partam (Pt 4685 Road) in Sikkim under the aegis of 129 RCC (Project Swastik). This on-site training provided participants with practical exposure to controlled blasting techniques in real-world conditions, enabling them to integrate theoretical knowledge with field applications. The hands-on sessions focused on safe blasting practices, regulatory compliance, and effective management of blasting operations in difficult terrain conditions.



The programme offered a well-rounded learning experience by integrating theoretical knowledge with practical field exposure, thereby strengthening technical competence and reinforcing the importance of safety and sustainable practices. Under the coordination of Prof. B.S. Choudhary, supported by Prof. D. G. Krishna as Co-Coordinator, the initiative was successfully executed in alignment with industry expectations and national development priorities.

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EDP - 1: Mining Technology for Caterpillar Inc.

The Department of Mining Engineering at Indian Institute of Technology (ISM) Dhanbad organized a one-week Executive Development Program on “Mining Technology” for executives from Caterpillar Inc. during March 23–28, 2026. This programme was designed to provide a comprehensive platform for knowledge exchange, focusing on recent advancements, emerging technologies, and best practices in the mining sector, thereby strengthening industry–academia collaboration.



The inaugural function of the programme was held on March 26, 2026, at 4:00 PM in the EDC Lounge of the institute. The event was presided over by Prof. M. K. Singh, Director (Acting), IIT (ISM) Dhanbad, who graciously consented to lead the ceremony. In his address, he emphasized the significance of such executive development initiatives in enhancing professional competencies, fostering innovation, and bridging the gap between academic research and industrial application. The programme reflects the institute's continued commitment to capacity building, professional training, and the advancement of cutting-edge mining technologies in collaboration with leading global industry partners.



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EDP - 2: Mine Safety, Accident Investigation, and Surveying Techniques

The Department of Mining Engineering, IIT (ISM) Dhanbad successfully organized a Four-Day Executive Development Program for officers of the Directorate General of Mines Safety (DGMS) from 25th to 28th March 2026 at the Executive Development Centre of the institute. The program was convened by Prof. R.M. Bhattacharya, with Prof. Md. S. Alam serving as the Co-Convenor. It was designed to enhance professional competencies and provide advanced insights into critical aspects of mining operations and safety management.



The training covered key themes such as investigation into accidents and incidents in mines using Root Cause Analysis techniques, auditing of Safety and Health Management Systems, and recent advances in mine surveying techniques. Through expert lectures, case studies, and interactive sessions, participants were equipped with practical knowledge and analytical tools essential for improving safety standards and operational efficiency in the mining sector.



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Distinguished Visit of Nobel Peace Laureate Shri Kailash Satyarthi

The Department of Mining Engineering had the distinct honor of hosting Kailash Satyarthi, recipient of the Nobel Peace Prize, on 21st March. His visit marked a moment of great pride and inspiration for the entire academic community.



During the visit, Shri Satyarthi toured the Longwall Training Gallery and the Bord and Pillar Training Gallery, where he was briefed on modern underground mining methods, safety practices, and the technological advancements incorporated in mining education. He showed keen interest in understanding the practical training modules designed to equip students with industry-relevant skills.

The visit also included an interaction at the Virtual Reality (VR) Laboratory, where immersive simulations of mining operations and hazard scenarios were demonstrated. Shri Satyarthi appreciated the integration of advanced digital tools in engineering education, highlighting their significance in enhancing experiential learning and safety awareness.

The occasion provided an invaluable opportunity for students and faculty members to engage with a globally respected humanitarian. His presence served as a source of motivation, reinforcing the importance of ethical responsibility, social commitment, and innovation in professional practice. Overall, the visit was both enlightening and memorable, leaving a lasting impression on the department.



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Educational Visit to Longwall Training Gallery

The Department of Mining Engineering at Indian Institute of Technology (Indian School of Mines), Dhanbad hosted an educational visit by a group of students from the Department of Mechanical Engineering, who were accompanied by faculty members and technical staff, as part of their academic curriculum. The visit was organized at the Longwall Training Gallery of the department, providing participants with valuable exposure to advanced underground mining practices.



During the visit, the participants were provided with a comprehensive overview of modern underground coal mining practices, with a particular focus on longwall mining technology. Sudhanshu Pandey played a key role in guiding the students through the facility, offering detailed explanations of the operational principles, equipment configuration, and safety mechanisms associated with longwall mining systems. He also demonstrated the functioning of various components of the training setup, enabling students to gain practical insights into mechanized mining operations.

The visit served as an effective platform for interdisciplinary learning, allowing Mechanical Engineering students to understand the application of mechanical systems and machinery in mining environments. It significantly enhanced their practical knowledge and provided exposure to real-world engineering challenges, thereby complementing their theoretical coursework.

Overall, the educational tour was highly informative and contributed to broadening the technical perspective of the participants, reinforcing the importance of experiential learning in engineering education.

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Inauguration Ceremony of Newly Procured Equipment under FIST Project

The Department of Mining Engineering, IIT (ISM) Dhanbad, successfully organized the Inauguration Ceremony of the newly procured equipment under the FIST Project on 30th March 2026 at 4:15 PM. The event commenced with traditional pooja and aarti, creating an auspicious atmosphere for the occasion. The ceremony was graced by Prof. Sukumar Mishra, Director, IIT (ISM) Dhanbad, who formally inaugurated the facilities and delivered an inspiring address emphasizing the importance of advanced research infrastructure in academic growth. Faculty members, researchers, and students attended the event, marking a significant milestone for the department in strengthening its research capabilities and technological advancement.



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Publications & Projects

Journal and Book Chapter

- **Khatti, J., Samui, P., Mishra, S.** (2026) Operational Parameter-Based Prediction of Shield TBM Advance Rate Using Explainable Computational Intelligence. *Transportation Infrastructure Geotechnology*, 13, <https://doi.org/10.1007/s40515-026-00841-7>.
- **Raj, J. J., Mishra, S., & Khatti, J.** (2026). Artificial Intelligence for Tunnel Seismic Response: A Comprehensive Review. In *Intelligence at the Interface: Data-Centric Methods for Sensing, Modelling and Decision Support*. ISBN: 978-981-95-7583-1.
- **Paul, R., Mishra, S., & Khatti, J.** (2026). AI-Based Simulation of Seismic Resilience in Underground Space Technologies. In *Resilient Cities and Infrastructure in Earthquake Zones: Sustainable Solutions*. Woodhead Publishing Series in Civil and Structural Engineering, Elsevier. ISBN: 978-0-443-45517-9.

Research & Consultancy Projects

- **Prof. Md. Soyeab Alam** has been awarded a research project titled "Detection and Monitoring of Slope Stability using Satellite-based SAR Interferometry (InSAR) and Ground-based Observation Techniques for Tara (East & West) Coal Mines, Churulia", sponsored by Tara Coal Mining Private Limited, with a sanctioned project cost of ₹1,06,20,000.
- **Prof. Dheeraj Kumar** has been awarded a research project titled "Slope Monitoring Studies at Quarry-D (Band-I & II), Quarry-F (Band-IV), and Waste Dump of South Kaliapani Chromite Mines, as well as the Pit and Waste Dump of Sukrangi Chromite Mine", with **Prof. Md. Soyeab Alam** as Co-Principal Investigator. The project is sponsored by Odisha Mining Corporation, with a sanctioned project cost of ₹61,95,000.
- **Prof. Partha Sarathi Paul** has been awarded a research project titled "Scientific Rock Mechanics and Geotechnical Study at Surda Underground Mine, HCL", with **Prof. Arka Jyoti Das** as Co-Principal Investigator. The project is sponsored by RK Earth Resources Private Limited, with a sanctioned project cost of ₹35,40,000.
- **Prof. Siddhartha Agarwal** has been awarded a consultancy project titled "Mine Closure Audit for GPIV/8 Coal Mine", with **Prof. Anindya Sinha** as Co-Consultant. The project is sponsored by Adani Private Limited, with a sanctioned consultancy amount of ₹9,67,600.
- **Prof. B S Choudhary** has been awarded a research project titled "Scientific Study for Designing of Controlled Deep Hole Blast Pattern using SMS/SME Explosive as per Regulations 194 & 196(3) of CMR-2017 at Kalyneshwary-Tasra Coal Mine", with **Prof. D G Krishna** as Co-Principal Investigator. The project is sponsored by Kalyneshwary Tasra Mine Private Limited, with a sanctioned project cost of ₹7,08,000.

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Student Achievements



The Department of Mining Engineering, IIT (ISM) Dhanbad proudly celebrates the outstanding performance of its students in GATE 2026, reflecting academic excellence and consistent dedication.

Name	Discipline	AIR in GATE 2026
Srinjoy Chakraborty	B.Tech (Mining Engineering)	8
Himanshu Raj	B.Tech (Mining Engineering)	16
Kundan Kumar	B.Tech (Mining Engineering)	22
Pushkar	B.Tech (Mining Engineering)	40
Pratik Amrut Raut	B.Tech (Mining Engineering)	43
Shubham Rana	M.Tech (Mining Engineering)	22
Shivam Sharan Bhagat	M.Tech (TUST)	49
Vishal Kumar Chaubey	M.Tech (Geoinformatics)	55

These accomplishments highlight the department's strong academic environment and the students' perseverance, bringing pride and recognition to the institution.



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Faculty Achievements

Prof. Maitreya Mohan Sahoo participated in the “MINEXCHANGE— 2026 SME Annual Conference & Expo” held in Salt Lake City, Utah, USA from 22 – 25 February 2026. As an invitee, he presented his work on ‘A comparison of lateritic bauxite mapping indices using multispectral and hyperspectral remotely sensed data’ highlighting the economic significance of aluminum and the role of spectral sensing of bauxite in opencast mines for aluminum production enhancement. The conference was organized by the Society of Mining, Metallurgy and Exploration.



Prof. Siddharth Agarwal participated in the India–South Africa Critical Minerals Symposium, held during March 17–19, 2026 at University of Pretoria, South Africa. The symposium, organized in collaboration with the High Commission of India Pretoria, provided a valuable platform for international collaboration and knowledge exchange on the exploration, extraction, and sustainable management of critical mineral resources.



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DEPARTMENT OF MINING ENGINEERING

Faculty Profile of the Department



Prof. V M S R Murthy
Professor (HAG) On
Deputation As Director IIST
Shibpur

Research Interest:
Rock Excavation Engineering



Prof. Arvind Kumar Mishra
Professor (HAG) On Deputation
As Director CIMFR

Research Interest:
Explosive Engineering, Rock
Blasting Technology, Rock
Excavation Engineering,
Opencast Mining



Prof. Dheeraj Kumar
Professor (HAG)

Research Interest:
Digital Mining Technologies,
Mine Surveying & Geospatial
Technologies



Prof. R M Bhattacharjee
Professor

Research Interest:
Underground Coal Mining
Technology, Risk Assessment
And Safety Management,
Emergency Response &
Disaster Management,
Accident Investigation, Mine
Fire And Explosion



Prof. Devi Prasad Mishra
Professor

Research Interest:
Mine Ventilation and
Environmental Engineering, Mine
Fire And Explosion, Application
of CFD In Mine Ventilation and
Environmental Engineering,
Methane Drainage/CBM/UCG,
Stowing/backfilling With Fly
Ash/pond Ash, Characterization
of Fly Ash/pond Ash



**Prof. Bhanwar Singh
Choudhary**

Professor

Research Interest:
Drilling & Blasting Technology,
Underground Metal Mines,
Computer Aided Mine Planning,
Tunnel Engineering



Prof. Partha Sarathi Paul
Professor

Research Interest:
Core Mining Discipline: Mine
Safety Engineering; Occupational
Health, Safety And Ergonomics;
Applied Multivariate Modeling
And ML Techniques; Rock
Mechanics; Mine Ventilation.
Interdisciplinary: Automation For
Workplace Safety; Socio-
economic Impact Of Mining



Prof. Anindya Sinha
Professor of Practice

Research Interest:
Mine Planning & Design,
Mine Environment
Planning & Management,
Mine Mechanization &
Digitization



Prof. Rabindra Kumar Sinha
Associate Professor

Research Interest:
Design of Structures in Rock,
In situ Rock Mechanics
Investigations, Numerical
Modelling



**Prof. Vasanta Govind
Kumar Villuri**
Associate Professor

Research Interest:
Photogrammetry,
Cartography, Remote Sensing,
GIS And GPS



Prof. Radhakanta Koner
Associate Professor

Research Interest:
Mine Automation, Data Analytics,
Georesources Utilization Using
Remote Sensing Technology,
Slope Stability Analysis,
Landslide Analysis, Wireless
Sensing Technology, Real-time
Monitoring System In Mining



Prof. Patitapaban Sahu
Associate Professor

Research Interest:
Mine Ventilation, Sub-Surface
Environmental
Engineering, Mine
Radiation, CBM and Data
Analytics In Mining



DEPARTMENT OF MINING ENGINEERING

Faculty Profile of the Department



Prof. Gnananandh Budi

Assistant Professor

Research Interest:
Rock Mechanics And Ground Control



Prof. Kashinath Pal

Assistant Professor

Research Interest:
Rock Mechanics, Groundwater, Slope Stability



Prof. Mohammad Soyeb Alam

Assistant Professor

Research Interest:
Geospatial Technology In Mining, Underground Metal Mining, Mine Subsidence Studies, Mine Slope Stability Analysis, Mine Surveying



Prof. Siddhartha Agarwal
Assistant Professor

Research Interest:
Digitalization of Mining Operations, Industry 4.0 Applications In Mining, Machine Learning And Artificial Intelligence Applications In Energy Consumption In Mines, Earth Sciences: Geostatistics, Open Pit Mine Planning & Scheduling, Real Time Monitoring Of Air Pollution In Open Cast Mines, Geotechnical And Environmental Closure And Repurposing Planning



Prof. Swapnil Mishra
Assistant Professor

Research Interest:
Blast Resistant Design of Underground Structures, In-situ Stresses Surrounding Underground Structures, Impact Testing on Weak and Weathered Rock Conditions, Ground Subsidence, Rock Dynamics and Material Testing, Physical Modelling



Prof. Ashok Kumar
Assistant Professor

Research Interest:
Underground Mining Methods, Strata/Rock Mechanics, Numerical Modeling, Underground Instrumentation And Monitoring Of Strata, Support Design, Rockmass Characterisation, Excavation Methods For Tunnels & Caverns, Drilling & Blasting, Operations Research, Mine Environment, Surface Mining



Prof. Dondapati Gopi Krishna

Assistant Professor
Research Interest: Rock Mechanics, Numerical Modeling in Geotechnical Engineering, Coal Mining, Mine Instrumentation and Monitoring



Prof. Bhaskara Behera

Assistant Professor
Research Interest:
Rock Mechanics And Ground Control, Mining Methods, Numerical Methods In Geomechanics, Mine Planning And Design



Prof. Ajeet Yadav
Assistant Professor

Research Interest:
Rock Mechanics and Ground Control, Mining Methods, Mine Ventilation, Numerical Modelling



Prof. Ankush Galav
Assistant Professor

Research Interest:
Rock Mechanics and Ground Control, Mining Methods, Rock Excavation Engineering, Numerical Modelling, Mine Planning and Design, Mine Instrumentation and Monitoring



Prof. Santosh Kumar Behera
Assistant Professor

Research Interest:
Paste backfilling, underground metal mining, underground metal mine backfilling, underground coal mine stowing and associated mining methods, fly ash filling in open cast mines, and slope stability.



Prof. Maitreya Mohan Sahoo
Assistant Professor

Research Interest:
Remote Sensing, Geographical Information System, Geoinformatics, Digital Image Processing, Geological Spectroscopy, Hyperspectral Mixing and Unmixing, Super-Resolution, Digital Twin Technology, Artificial Intelligence



DEPARTMENT OF MINING ENGINEERING

Faculty Profile of the Department



Prof. Satish Kumar Sinha
Visiting Professor

Research Interest:

Environmental Sustainability,
Six Sigma in Mining, Mine
Surveying, Risk & Safety
Management



Prof. Arka Jyoti Das
Assistant Professor

Research Interest:

Mining methods, mine design,
rock mechanics, geomechanics,
stability analysis, ground
control, and geotechnical
monitoring.



2026 CALENDAR

JANUARY

M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

FEBRUARY

M	T	W	T	F	S	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

MARCH

M	T	W	T	F	S	S
30	31					1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

APRIL

M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

MAY

M	T	W	T	F	S	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

JUNE

M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

JULY

M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

AUGUST

M	T	W	T	F	S	S
31					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

SEPTEMBER

M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

OCTOBER

M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

NOVEMBER

M	T	W	T	F	S	S
30						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

DECEMBER

M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

2026 Calendar of Important Mining Days

4th April : International Day for Mine Awareness and Assistance in Mine Action

22nd April : World Earth Day

1st May : International Labour Day

4th May : Coal Miners Day

23rd June : International Women in Engineering Day

30th October : Mine Rescue Day

1st November : Coal India Foundation Day

1st November : Indian Mining Day

5th December : World Soil Day

9th December : Foundation Day

11th December : International Mountain Day

14th December : National Energy Conservation Day

