

	<p><b>Technical Presentation 1</b>  <b>(Date: 28/01/24, Timing: 9:00 am to 11:00 am)</b></p>	
<b>Theme</b>	<b>Applications of Artificial Intelligence in the Mining Industry</b>	<b>Session 1</b>
1	Automation and robotics application in coal mining <i>G. A. N. Anand</i>	
2	Electrical Resistivity Tomography to Mitigate Risks in Mining Operations <i>Naresh Kumar Seelam, Thinesh Kumar S., Rajiva Kumar Singh and Surendra Kumar Gupta</i>	
3	Exploring the Diverse Applications of Artificial Intelligence in the Mining Industry <i>Vikram Seervi, MohdManeeb Masood, Dr. Nawal Kishore</i>	
4	Seismic Survey - A tool to address geological complexities in Coal Exploration <i>Thinesh Kumar S, Naresh Kumar Seelam, Rajiva Kumar Singh and Surendra Kumar Gupta</i>	
5	Application of Remote Sensing and GIS in Targeting of Stratiform Manganese Deposit in Sausar Group, Central India <i>Dr. S K Sarkar</i>	
6	Mine Management using Innovative Tool <i>Piyush Srivastava, IndranilSaha, Manish Kamal</i>	
7	Harnessing the Power of Artificial Intelligence in Mining Industries: Innovations, Challenges, and Future Prospects <i>VideshiChaudhary , AK Verma, Bhardwaj Pandit</i>	
<b>Theme</b>	<b>Contribution of Alumni towards Mining Engineering</b>	<b>Session 2</b>
1	Status of the Mineral Sector of India & Promotional Role of the Indian Bureau of Mines <i>D.N. Bhargava</i>	
2	Elevating Mining Engineering Through the Achievements of Alumnus <i>Dr. Venkata S Vutukuri</i> <i>Dr Venkata S Vutukuri</i>	
3	Women's contribution in mining industry <i>Mukesh Kumar &amp; T.N. Singh</i>	
<b>Theme</b>	<b>Conversion of mining waste to wealth</b>	
1	Effect of 1:3 ratios of coal-mahua biomass blend co-gasification and its application to IC engine for electrical power generation: An experimental approach <i>Reetu Raj, Priyaranjan Jena, JeewanVachanTirkey, Naveen Yalla</i>	
2	Thermodynamic performance and emissions analysis of dual-fuelled SI engine using sewage waste-based producer gas and methane <i>Priyaranjan Jena, Reetu Raj, Lawalesh Kumar Prajapati, JeewanVachanTirkey</i>	

3	Frame work of utilization of waste rock from coal mining overburden as construction/building/road materials <i>K. A. Pandian, S. Kundu</i>	
	<b>Technical Presentation 2</b> <b>(Date: 28/01/24, Timing: 3pm to 5 pm)</b>	
<b>Theme</b>	<b>Mine Environment and Ventilation</b>	<b>Session 1</b>
1	Regional Environmental Assessment (Rea) Of The North Goa Iron Ore Mines –A Case Study <i>Dr. Birendra Prasad Sinha</i>	
2	Mining Seismology HVSR Analysis <i>Mihir Kumar Rai and R.B.S. Yadav</i>	
3	Orica’s Innovations for Environment Friendly Mining <i>Shivam Singh, Alok Rai</i>	
4	Assessment of Air Quality in Residential Areas around an Open Cast Coal Mine-A Case Study <i>Mahesh Munda, Soumya Ranjan Mallick</i>	
5	Prevention of Haul Road Dust Emission from open cast mine by using water soluble polymer <i>Vivek Kumar Kashi, Atma Ram Sahu, Roshan Kumar and N C Karmakar</i>	
6	Postural Risk Assessment Tools for Equipment Operators and Industrial Workers – A Review <i>KhaneJithendar Singh, Sanjay Kumar Palej, Netai Chandra Karmakar, PreetamSoni</i>	
7	Ventilation planning is an effective tool not only for production and productivity but also saves a lot in terms of energy – A case study <i>Kunal Das, R N Jha</i>	
<b>Theme</b>	<b>Rock Mechanics, Ground control and Underground Structures</b>	<b>Session 2</b>
1	Mechanical Excavation of Rocks in Mining Industries– Key Priorities and Focus <i>V.M.S.R.Murthy</i>	
2	Numerical Simulation of Pull-out Test to Design Support Systems for Mechanized Depillaring Operations <i>Nihal Chandra Das, Dr. Hrushikesh Naik</i>	
3	Monitoring of Ground Vibrations Due to Blasting for Protection of Archaeological Site- Monument Chittorgarh Fort – A case Study <i>Dr. B.P. Sinha</i>	
4	Development of a Cuttability Index to Assess Productivity of Surface Miners in Indian Opencast Coal Mines <i>Nilesh Pratap Singh and Dr. Nawal Kishore</i>	

5	Design of geotechnical elements and structure of continues miner based mechanized depillaring panel in Tawa - 1 mine <i>Ashok Kumar, Sanjoy Gorain, Sahendra Ram, Swapnil Mishra, Dheeraj kumar</i>	
6	Machine Learning Methods for roof-fall prediction: A review <i>Deependra Kumar Pandey, Rinku Kumar</i>	
7	Hazards associated with Blasting Operations <i>Satyabrata Behera, Gaurav Kumar, TrinabhVashistha and Abhyudit Raj</i>	
8	Best Planning Practices for Mitigating Geotechnical Risks During Closure of a Small Mine: A Case Study of an Indian Manganese Mine <i>Jay Aglawe, A Santharam, T Karuna Karudu, A Viswanath Naidu, P Ganesh</i>	
	<b>Technical Presentation 3</b> <b>(Date: 29/01/24, Timing: 9:30 am to 11:30 am)</b>	
<b>Theme</b>	<b>Sustainable Mining Practises</b>	<b>Session 1</b>
1	Sustainable Development – A Philosophical Quest for Achieving it in True Sense <i>N C Karmakar</i>	
2	Repurposing Abandoned Mining Lands for Sustainable Development: A Pathway to Fulfill India's NDC Goals under the Paris Agreement <i>Siddhartha Agarwal</i>	
3	Sustainable Development for Coal Sector in India <i>Hemant Kumar, S Ramalingam, Pritam Kumar Sinha</i>	
4	Sustainable Mining & Green Energy Practices in Moil Mines <i>Rajesh Bhattacharya, Prafulla Kumra Singh</i>	
5	Sustainable Mining Practices–Case Studies <i>V K Pandey, Rakesh Dwivedi, Shankar Nagachari</i>	
6	Recent Trends in Sustainable Mining and Green Energy Evolution <i>Vivek Kumar</i>	
7	Sustainable mining of manganese mines of MOIL Limited Mines <i>Vishal Meshram, Sachin B. Ramteke</i>	
8	A case study of O/C DongriBuzurg Mine and sustainable productivity improvement in MOIL U/G Mines, Renewable Energy Projects, Safety and Occupational health <i>Manoj Kumar, MM Abdullah, AK Saxena</i>	
<b>Theme</b>	<b>Slope management</b>	<b>Session 2</b>
1	Slope stability investigation in hilly terrain <i>Amit Kumar Verma</i>	

2	Assessment of Strength Properties and Stability Analysis for Effective Overburden Dump Slope Management in Opencast Coal Mines <i>Pravan Kumar Gara, Randip Singh</i>
3	Stability analysis of critical slopes along NH-1A Ramban to Banihal, Jammu & Kashmir using Slope Stability Rating <i>Amit Jaiswal, AK Verma, TN Singh</i>
4	Best planning practices for slope stability assessment: A sustainable approach using case histories <i>Jay Aglawe, A Santharam</i>
5	Green Facia Reinforced Earth (GFRE) wall as a slope stabilization measure for non-cohesive soil in Indian open cast coal mine adjacent to major perennial river <i>KA Pandian, Ajay Chhangani</i>
<b>Theme</b>	<b>Green Energy Evolution</b>
1	Sustainable Green Clean Procurement: A Strategy for Competitive Advantage <i>Mohan Reddy Kalasani</i>
2	Greenhouse Gases Emission Reduction for Global Warming Mitigation and Climate change <i>Sunjay</i>
3	Green Energy Evolution <i>Vinita Arora, Rakesh Dwivedi, Manoj Kumar</i>
4	An overview of Eco Friendly technology for Indian mining conditions <i>P Venkatesan and M Lakshmi kantha Rao</i>