

**Five Days Online Course/Web-Training**  
**on**  
**FUTURE COAL MINING FOR SAFE AND ECONOMIC OPERATION IN INDIAN COAL**  
**INDUSTRY**

(14.12.2021 to 18.12.2021)



**Department of Mining Engineering, IIT Kharagpur**



## Preamble:

In Indian Coal Mining Scenario, human resource Development and appropriate technology adoptions are two important arms in future modern & economic mining operations with safety.

The development of management skills in the mining companies is essential for sustainable and Techno - economic mining solution in the days to come. Indian coal industry needs to enhance the capability of coal production from underground coal mines which is currently contributing only around 6% of total coal production in the country. The underground mining that produces around 40.66Mte of coal now requires to enhance considerably by technology upgradation. Opencast coal mining in India is also to contribute the bulk output (over 90%) of coal with eco-friendly mining practices & adoption of best technological option available in the globe. It needs proper planning, appropriate technology adoption, suitable mechanization, Human Recourses Development to achieve the goal. Practicing engineers, Planners, Mining professionals in operation and new incumbents have to be developed accordingly towards suitable technology adoption for sustainable and techno-economic mining solution in the days to come in India. IIT Kharagpur with its Department of Mining Engineering is dedicated to serve the nation and ready to play its role in the present scenario. Keeping all these in mind, a short course under Continuing Education Programme has been designed for the practicing engineers, planners and equipment manufacturers on the Coal Mining Industry in the country. Objectives of the course are to address the following relevant spheres in Country's coal mining scenario.

- ❖ Available advanced coal mining technology globally and its future applicability in Indian coal mining Industry.
- ❖ Coal Mining as practiced now and scope of Future technology up-gradation for both surface & subsurface ( u / g ) operations for future mining solution as future mining option.
- ❖ Mine capacity assessment and mode of capacity enhancement vis-à-vis mine economics in Indian coal mining scenario.
- ❖ Sustainable future U/G & O/C coal mining operations and their Techno-Economic viability with safety.
- ❖ Constraints, scopes of amalgamation of smaller units for integrated economic operation in u/g coal mining.
- ❖ Changes in legislative and management of mine safety in the changing future coal mining Scenario in the country.
- ❖ Environmental challenges Mitigation, means for effective mine closure and post mining liability management in the days to come in Indian coal Industry.
- ❖ Assessment, Planning, Formulation, and Implementation for surface & underground coal mines with appropriate Technology and equipment selection for efficient operation with safety.
- ❖ Operation, Management & control of high capacity u/g & mega o/c mines with advanced future technology solution and eco-friendly high speed coal evacuation network from such mines.
- ❖ Bulk handling arrangement and speedy dispatch by adequate capacity network to end-users avoiding major built up

stock of coal at mine site / pit head.

## How to Send Nomination

Kindly email the Names of the nominees with their designations, valid email ID and mobile numbers to the course coordinator, Dept. of Mining Engineering, IIT Kharagpur by 11.12.2021

Alternatively, use the link: <https://erp.iitkgp.ac.in/CEP/courses.htm> to apply ONLINE



## Course conduction

It will be conducted through online mode and link will be emailed to all the respective participants well in advance with the routine of the course. Faculties are from amongst legendary professionals from Industry, Institutes and also those associated with leading mining equipment manufacturers, research Institutes for a blend of academics and operational, Researchers fields of mining engineering for gainful exposure of the participants during the course.

## Sponsorship Course Fee

Sponsorship opportunities for industries are available under the following categories.

- Gold Sponsor: Sponsorship fees is Rs. 1.50 Lakh + GST (06 free participants)
- Silver Sponsor: Sponsorship fees is Rs.1.00 Lakh + GST (04 free participants)

**The course fee of this non-residential online course is Rs. 15,000.00 per participant** payable by demand draft in favor of “CEP-STC, IIT, KHARAGPUR” payable at Kharagpur or by electronic money transfer to “CEP- STC, IIT Kharagpur” to the Account Number- 95562200002955 of Canara Bank at Branch SRIC-IIT Kharagpur (IFSC Code: CNRB0019556). **GST is to be paid additionally (18% now)**. The course fee will not be refunded unless the nomination is withdrawn 3 (Three) weeks prior to course-commencement. The course fee does not include boarding and lodging charges. **IIT Kharagpur is exempted from Income Tax and while sending the course fee no TDS is applicable. However GST (18%) is to be paid additionally & applicable now as per Govt. directives as required which is to be paid along with the above course fee by the organization nominating the participants for the course.**

## Address for Communication

*For any other information or sending nomination please email to:*

**Prof. M. P. Dikshit, Course Coordinator**

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