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**Department of Mining Engineering
Indian Institute of Technology, Kharagpur**

with resource personnel co-operation from

**Ministry of Labour,
Ministry of Steel and Mines
And
Ministry of Coal
announces**

**One week (5 day) Short Term Course
On
“Modern Mining Technology, Engineering and Management”
from
28th October, 2013 to 1st, November 2013
(Course Identification Name: ‘MMTEM’2013)**

Mining industry today faces disruptive challenges: labour and community protests, talent shortage, financial standards, forward integration, merger and acquisitions, and geotechnical risk etc –to name a few. The days are gone when single or few product mineral categories of a mining organization will not ensure its survival .So from a simple “trader” selling few minerals in the near or next pit, port or station, a mining company will have to graduate to a mine-plant–port player, adapted to uncertainties to international demand, disruption, state policy and currency changes. Much of these will be aided by the industry norms, performance, innovation, standards compliance and moving up in the value creation ladder.

In the future, additional skills of the mining and mineral engineers will be paramount and their integration and common purpose will be important. To attain leadership position, it will be important for the mining personnel to know where and how their minerals are used as much the mineral processing and metallurgical engineers will have to know about sources of minerals and obtaining them. These will prompt and support the enterprise building. For the first time, an intensive course is being organized to enhance the knowledge of the practicing professionals about the new demands of mining engineering.

With this in mind the Department of Mining Engineering, IIT, Kharagpur with resource personnel co-operation with Ministry of Labour, Ministry of Steel and Mines, Ministry of Coal and Directorate General of Mines Safety, Dhanbad has designed a short term course for the executives of the Power,

Mining, Cement, Steel and Construction industry “Modern Mining Technology, Engineering and Management,” to be held at IIT, Kharagpur from 28st October, 2013 to 1st November, 2013.

Topics to be covered:

1. Modern Exploration Technology.
2. Mine Planning and Execution.
3. Ground Control Engineering and Technology.
4. Drilling, Blasting and Excavation.
5. Mine Pollution and Climate Control.
6. Safety and Risk Technology and Engineering.
7. Environmental and Reclamation Engineering.
8. GIS and GPS based Information Technology.
9. Mine Operational Management.
10. Mine Mill Integration.
11. Business Performance Measurement.
12. Case Studies.

Course Fee:

Fees paid on or before 1st October, 2013

- Individual : Rs.22,000=00 (Rs. Twenty-two Thousands Only)
- Group (not less than 5 individuals) : Rs.20000=00 per individual (Rs. Twenty Thousands only)

Fees paid after 1st October, 2013

- Individual : Rs.26,000=00 (Rs. Twenty-six Thousands Only)
- Group (not less than 5 individuals) : Rs.24,000=00 per individual (Rs. Twenty-four Thousands only)

(All the above charges are net charges. IIT Kharagpur is exempted from Income Tax. Other charges like Service Charge etc should not be included in the course fee)

The course is non-residential in nature. IIT Kharagpur has few modest accommodation facilities. Guest House/ accommodation booking will be done by IIT, Kharagpur only on request. Candidates will clear their bills Failure to book any suitable accommodation at the late stages cannot be purported to be the failure of the organizers. To avoid disappointment, please book early.

(Please note all kinds of nominations would be considered as confirmed participation and would remain chargeable to the extent of a regular candidate as above, even if the candidate or his/her replacement fails to turn up. IIT, Kharagpur will not be in position to negotiate on the above. Replacements are allowed)

Payment Mode

All the payments have to be made in bank draft in favour of “CEP-STC, IIT, Kharagpur”, payable at Syndicate Bank, IIT, Campus, Kharagpur. At par local cheques are also admissible.

Strength

Apart from world class faculty the department has state of the art laboratories for Mine Environmental Pollution and Control, Clean technology lab, safety and human factors lab, rock mechanics and ventilation labs.

Faculty:

The eminent resource persons of MOEF, Ministry of Steel and Mines, Indian Bureau of Mines, Nagpur, Industry and faculty of IIT, Kharagpur, and personnel from the industry and academics will be invited to conduct the lectures and demonstration.

About the convener:

Dr. Jayanta Bhattacharya, FNAE is a professor of standing in Mining Engineering. Dr. Jayanta Bhattacharya is a professor in the Department of Mining Engineering, Indian Institute of Technology, Kharagpur, India. He is also a Visiting Professor to Curtin University, Australia and Karaganda Science and Technology, University, Kazakhstan.

Prof. Bhattacharya started his research in the area of mining equipment reliability engineering. While still doing works in that area, he also started working on the environmental engineering and management aspects of mining. Dr. Bhattacharya regularly works as an advisor to the Ministry of Environment and Forest on technical matters, to the Prime Minister's Office –Indian Academy of Engineering for the mining engineering education and research. He worked with three central ministries to chalk out the 12th plan projections for the country. He is the first honorary advisor to Tata Steel for Environmental and Social Governance. He is a fellow of Indian National Academy of Engineering, a national body of select some 500 odd celebrated engineers .He is the editor to many international journals.

He has 7 books and more than 150 technical papers in many national and international journals.

Address for Communications:

Prof. Jayanta Bhattacharya

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Mobile: +9434034354.

E-mail: jayantaism@gmail.com, jayantab@mining.iitkgp.ernet.in



Registration Fee

Fees paid on or before 1st October,2013

- Individual : Rs.22,000=00 (Rs. Twenty two Thousands Only)
- Group (not less than 5 individuals) : Rs.20000=00 per individual (Rs. Twenty Thousands only)

Fees paid after 1st October,2013

- Individual : Rs.26,000=00 (Rs. Twenty-six Thousands Only)
- Group (not less than 5 individuals) : Rs.24,000=00 per individual (Rs. Twenty-four Thousands only)

Payment is to be made through a bank draft drawn in favour of “CEP-STC, IIT Kharagpur” payable at Kharagpur.

The course fee includes course materials and participation fee only.

How to Register

Please send nominations. Nominations once sent will be considered as confirmed participation. Participants can be replaced but the nominations can not be cancelled.

Make all payment by a Demand Draft (DD) in favour of **CEP-STC, IIT Kharagpur**, payable at Kharagpur.

Send filled up Participation form and the Cheque /Demand Draft to:

**Prof. Jayanta Bhattacharya
Department of Mining Engineering
Indian Institute of Technology Kharagpur
Kharagpur - 721302, West Bengal**

**To confirm participation please send emails
to jyantab@mining.iitkgp.ernet.in, jayantaism@gmail.com**

*One week (5 day) short term Course
On
“Modern Mining technology, Engineering and Management”
From
28th October, 2013 to 1st November, 2013*

Registration Form

1. Name: _____

2. Designation: _____

3. Organization: _____

4. Sex
(Male/Female): _____

5. Highest Academic Qualification: _____

6. Accommodation Preference : Inside/Outside IIT KGP _____

7. Address for communication _____

8. Mobile: _____

9. Fax: _____

10. E-mail: _____

11. Bank Draft Details:

Amount _____ Draft No: _____

Drawn on _____

Date:

Place:

Signature of Participant

.....
Signature of the Sponsoring

The applicant is a permanent employee of our organization. He/she is recommended for the Course and will be released upon selection.

To The Post Prof. Jayanta Bhattacharya, Department of mining Engineering, IIT Kharagpur, 721 302.

For the short term course organized by Prof. Jayanta Bhattacharya, Deptt. of Mining Engineering, IIT Kharagpur.

**Course Co-ordinator
(Prof. Jayanta Bhattacharya)**

Accommodation

Shared accommodation in guest houses in the campus may be arranged.

TECHNOLOGY GUEST HOUSE				
Type of Accommodation	Cat A / B / C		Cat D	
Double Bedded Room on sharing Basis(per/per)	600.00		1200.00	
Single Occupancy in a Double Bedded Room	800.00		1600.00	
Suite	1500.00		3000.00	
VISVESWARAYA GUEST HOUSE				
Type of Accommodation	Cat A	Cat B	Cat C	Cat D
Double Bedded Room on sharing Basis (Per Person) (A/c)	200.00	200.00	200.00	200.00
Single occupancy in a Double Bedded room (A/c)	300.00	300.00	300.00	300.00
Single Room (Non A/c)	100.00	100.00	100.00	100.00
Double Bedded Room on sharing Basis (Per Person) (Non A/c)	100.00	100.00	100.00	100.00
Single occupancy in a Double Bedded room (Non A/c)	150.00	150.00	150.00	150.00
Three Bedded / Four Bedded Room – Per Person (Non A/c)	100.00	100.00	100.00	
Community Center 6 AM TO 6 AM next day	300.00	600.00	1200.00	2000.00
Partial – 8 Am to 4 Pm or 4 PM to 11 PM	200.00	400.00	800.00	1200.00
Class Room East & West (A/C)	400.00	400.00	600.00	800.00
KOLKATA GUEST HOUSE				
Type of Accommodation	Cat A / B / C		Cat D	
Double Bedded Room on sharing Basis (Per Per)	600.00		1200.00	
Single Occupancy in a Double Bedded Room	800.00		1600.00	
Double Bedded Cottage on sharing Basis (Per Per)	200.00		400.00	
Single Occupancy in a Cottage	200.00		400.00	
Meeting Room	450.00		900.00	

Categories of Guest			
Category	Eligibility	Authority	Payment Mode
Cat 'A	Guest invited by the institute for academic, administrative work and for campus interview	Director/ Dy. Director / Registrar / All Deans / All HOD	Institute
Cat 'B	Guest / Individual visiting institute in connection with scheme, project / Consultancy/ short term	Dean SRIC / PIC	By SRIC through project / respective coordinator.

	courses, seminars & conference etc.		
Cat 'C	Employee, Students parents/ Guardians and Alumni Guest from other academics institutes offered accommodation on reciprocal basis	Faculty / Officers	By the individual before checking out. If charges are not paid by the guest then person making the booking is required to clear the bill
Cat 'D	Guest not covered under above categories	For individual – Manager GH and for block booking through institute authority	By the individual – if charges are not paid by the guest then the person recommending is required to clear the bill.

Note:

1. Priority for accommodation will be accorded to guest covered Under Cat A and Cat B.
2. The Management of the guest house may at its discretion, Cancel a booking or offer alternate Accommodation.
3. Normally a booking in the GH can be made for a period of days this can be extended up to a maximum period of 7 Days and beyond that with the approval of the competent.
4. In advance 50 % payment is to be made for bulk booking Against confirmation.
5. 100 % payment if cancellations are made 60 days prior to The Commencement of Conf /Course etc and 72 Hours in case Individual bookings (Cat B/C/D), for all Guest Houses.

Contact

Course Coordinator
Prof. Jayanta Bhattacharya
Department of Mining Engineering
Indian Institute of Technology Kharagpur
Kharagpur - 721302, West Bengal

For any queries please send E-mail to:

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Fax: +322255303/+3222 282700/+3222 277190.
Mobile: +9434034354

Course Chief Secretary
Mr. R.N. Samanta
rnsamanta99@gmail.com
Phone no- 9733721760



How to reach Campus at IIT Kharagpur

Situated about 120 km west of Kolkata, Kharagpur can be reached in about 2 hours by train from the Howrah railway station of Kolkata or 3 hours by car from Kolkata Airport. Kharagpur is also connected by direct train services to most major cities of the country. The Institute is about 10 minutes drive (5 km) from the Kharagpur railway station. Private taxi, auto rickshaw or cycle rickshaw can be hired to reach the Institute.