

ABOUT I.I.T KHARAGPUR



The history of the IIT system dates back to 1946 when a committee was set up by hon'ble Sir Jogendra Singh, Member of the Viceroy's Executive Council Department of Education, Health and Agriculture to consider the setting up of Higher Technical Institutions for post war industrial development in India. On Sept. 15, 1956, the parliament of India passed an act known as the Indian Institute of Technology Act declaring this Institute as an Institute of national importance. The institute was also given the status of an autonomous University. From this modest start in 1950, IIT Kharagpur has been engaged in a steady process of development with about 18 academic departments, five centers of excellence. The vast tree-laden campus, spreading over 2100 acres has a self-contained township of over 15,000 inhabitants. Currently about 550 faculties, 1700 employees and 9000 students are involved in academic activities.

ABOUT THE DEPARTMENT

The discipline of Mining Engineering is unique to IIT Kharagpur among the IITs. Set up in 1956, the department offers undergraduate, postgraduate, and doctoral programs. It is actively involved in



research in the broad areas of Drilling and Blasting, Mechanized Rock Excavation Engineering, Rock Mechanics, Tunneling, Mine Fire and Explosions, Mine Ventilation, Mine Planning, Mining Methods and Machineries, Underground and Surface Environment, Surveying and Geomatics, Mine Safety and Reliability and Mine Automation. The department has considerable industrial interaction with all the major mining, civil & industrial establishments in India in term of research projects, consultancy services and continuing education programmes.

TOPICS

1. Understanding Rock/Soil as medium of Excavation.
2. Classification of Excavation techniques for Surface & Underground mines.
3. Excavation of loose Material in Surface Mines.
4. Excavation of Hard Material in Surface Mines.
5. Mechanized Excavation in Surface Mines.
6. Excavation of Hard Material in Underground Mines.
7. Excavation of Soft Material in Underground Mines.
8. Mechanized Underground Excavation.
9. Support System for Underground Mines.
10. Safety requirements during excavation.
11. Economics of Excavation System.

PARTICIPANTS

Participant from Industry should have Degree/Diploma in Mining, Civil, Mechanical, Environment, Geology, Geophysics, Mineral engineering. Apart from that faculty & Students may attend the course. The interested person may apply through proper channel to the course coordinator before due date.



Three Days Short Term Course



On



Techniques for Surface and Underground Rock Excavation

(TSURE)

(January 5th to 7th, 2015)

Organized by



Department of Mining Engineering

Dr. Kaushik Dey

**Indian Institute of Technology,
Kharagpur**

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COURSE FEE

Course fee includes Lecture Material, Course Kit refreshments during Lecture Hours. Twin share limited Accommodation facilities are available on payment basis in the Guest House of the Institute and will be booked on first cum first serve basis.

Payment Details: - Before 5th December, 2014 Early Bird Registration Rs – 18000/- per participant. After 5th December, 2014 Rs 20000/- per participant.

Mode of Payment: - All the payments have to be made in Bank draft in favour of “**CEP-STC, IIT, Kharagpur**”, payable at Syndicate Bank, IIT, Campus, Kharagpur.

Online payment : CEP-STC, Syndicate Bank, A/C No-95562200002955, IFSC Code No-SYNB0009556 At par local cheques are also admissible.



ADDRESS

For participation Register with course-coordinator

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