



WORKSHOP - CUM - TRAINING PROGRAM

On

Acquisition, Processing and Modeling of Integrated Geophysics Data for Coal and Ground Water Exploration over Coalfield Area

March 30, 2019 to April 03, 2019

Venue: Waidhan, District- Singrauli (MP)



Organized by:

Department of Applied Geophysics
Indian Institute of Technology (Indian School of Mines)
Dhanbad - 826004, Jharkhand, India
Website: www.iitism.ac.in



About The Course

Coal is vital source of energy in India. We consume about 41% of energy mainly comes from coal. Coal exploration activities are necessary for mankind but the secondary products associated with detrimental effect in social and environmental aspects. Ground water, below the surface of the Earth, is one of the Nation's most important natural resources and that is the source of about 37 percent of the water supplied by government/private water departments to households and businesses. It provides drinking water for more than 90 percent of the rural population who do not get their water delivered to them from government/private water department.

Training program on “**Acquisition, Processing and Modeling of integrated geophysics data for coal and ground water exploration over coal field area**” is organized to provide a complete package of methodology for coal exploration and ground water exploration. This field oriented course is useful to geoscientists and also efficacious to industries, researches and policy makers.

Course Content

1. Field Planning;
2. Geophysical Tools and Techniques;
3. Acquisition of Integrated Geophysical data including Gravity, Magnetic, ERT , AMT & Elevation data;
4. Processing and modeling of Integrated Geophysical data; and
5. Interpretation of Integrated Geophysical data.



About the Department

The Department of Applied Geophysics, IIT (ISM) was established during the International Geophysical Year in 1957, having very good infrastructural facilities and highly qualified faculties. The Department provides an outstanding research environment complemented by excellent teaching for its students to flourish in different arena of academics and industry as well and actively involved in research activities in multidisciplinary areas such as exploration of ground water, coal, minerals, hydrocarbon including gas hydrate, geothermal, crustal study, earthquake study, detection of underground cavity, voids, barriers, waterlog, fractures, investigation of sinkhole collapses, etc., in addition to the traditional divisions i.e. gravity, magnetic, electrical, electromagnetic, seismic, and well logging geophysics. The Department offers various courses, M. Sc. Tech, integrated M. Tech. and Ph.D. The Department runs several sponsored projects sponsored from CIL, CSIR, DST, MoES and UGC. The Department organized several conferences, International, National Seminars and Workshops. To know more about department, please visit: <https://www.iitism.ac.in/index.php/geophysics>

About the Institute

The Indian Institute of Technology (Indian School of Mines) Dhanbad was formally opened on December 09, 1926, by Lord Irwin, then the Viceroy of India to address the need for trained manpower related to mining activity in the country with disciplines of Mining and Applied Geology. In 1967, it was granted the status of a deemed to be the university under section 3 of UGC Act, 1956. Since its establishment, IIT(ISM) Dhanbad has undergone considerable expansion of its activities, and presently it can be considered as a total technology education institute. The Department of Petroleum Engineering and Department of Applied Geophysics was



Instrumentation Engineering were added in 1975-1977. The Departments of Applied Chemistry, Applied Physics, and Applied Mathematics were established between 1975 and 1987. The Department of Computer Science and Engineering was added in 1997. The expansion of the institute into a total technology institute was further accelerated with the establishment of the Department of Electrical Engineering in the year 2005, the Department of environmental Science and Engineering in 2006, Department of Chemical Engineering in 2010 and the Department of Civil Engineering in 2012.

Recourse Persons

Faculty members of IIT(ISM) Dhanbad and guest faculty members from other premier Institution/Organization will deliver the lecture.

Target Participants

Industry officials, Scientist, Students & Research Scholars, NGO and interested persons, etc.

About the Venue

Waidhan, District- Singrauli (MP).

Important Dates

Last date for registration: March 25, 2019.



How to apply

Applications are requested to send the hard copy of the filled registration form along with course fee through DD/RTGS, the demand draft/ proof for online transfer by speed post/ scanned copy by e-mail to the Course Coordinator. The Demand Draft should be drawn in favour of "Registrar, IIT (ISM) Dhanbad" payable at Dhanbad.

Nomination & Payments

Nomination & Payments: The nomination letter should reach the coordinator on or before March 25, 2019 (e-mail/post) along with course fee through DD/RTGS.

Course Fee

Rs. 25,000/- (for Scientist, Industry official)

Rs. 15,000/- (for Students & research scholars)

Details of account holder

IIT (ISM) SPECIAL FUND

Complete contact address: IIT (ISM) Dhanbad

Telephone: +91 - 326-223-5624

E-mail: ar_project@iitism.ac.in

Bank Details for Online Transfer

Canara Bank, Branch: Saraidhela, Dhanbad

A/C No.: 0986101024892;

RTGS / IFSC code: CNRB0000986;

MICR: 826015003.

A copy of e- payment transaction details is required to be send to the Course Coordinator.

Course Coordinate

Prof. Upendra K. Singh

Course-Coordinator of the Programme

Department of Applied Geophysics

Indian Institute of Technology (ISM) Dhanbad, 826004

Mobile: 9470194998, 6207555254

Mail id: upendra.ism@gmail.com, upendra@iitism.ac.in

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Department of Applied Geophysics

Indian Institute of Technology (Indian School of Mines) Dhanbad, India

Registration Form

1. Name (Capital Letters):
2. Designation:
3. Organization:
4. Category (Industry/ Academic/Student): Gender (M/F) :.....
5. Mailing Address with PIN Code:
.....
6. Telephone/Mobile:

Details of Payment:Amount:

Demand Draft (DD):

Details of Online transfer (Please attach proof for online transfer):

Place:

Date:

Signature

Note: Last date of Application is March 25, 2019. Send the filled registration form as scanned copy by e-mail (upendra.ism@gmail.com, upendra@iitism.ac.in).