

**Short Term Training Program (STTP) on
"Recent Advancement in Groundwater
Development and Management"
(RAGDM-2016)
Under TEQIP -II**

August 8th to 12th, 2016

REGISTRATION FORM

Name:

Designation:

Organization:

Qualification:

Correspondence Address:

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Tel. (O) (R)

(M)

E-Mail:

Registration Fee to be paid as Cash/DD

Amount

No.....Date

Name of the Bank.....

Accommodation Required: Yes / No

Date:

Place:

Signature

Note:

- Demand draft should be made in favor of "Director, NIT Raipur", payable at Raipur.
- Photocopy of Registration Form may be used.

Patron
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Director, NIT Raipur

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Dr. Vikal Kumar Singh, NIT Raipur
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**Short Term Training Program
on**

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Organized by

Department of Applied Geology



**National Institute of Technology
Raipur-492 010 (Chhattisgarh)**

About the Institute:

National Institute of Technology Raipur situated in the capital of Chhattisgarh, has proven to be 'avant-grade' in the field of science and technology over past few decades in this region. With sweet memory of foundation ceremony by our First President Hon'ble Dr. Rajendra Prasad on 14th September 1956, the Institute started with two Departments namely Metallurgical Engineering and Mining Engineering. Later the inauguration of the Institute building was done by our First Prime Minister Hon'ble Pt. Jawahar Lal Nehru on 14th March 1963. From 1st December 2005, the Institute was upgraded to National Institute of Technology. It is well connected with Mumbai, Delhi and all metro cities by regular flights and is on the main Howrah-Mumbai railway route. The Institute is 5 km from the Raipur railways station and 18 km from airport on NH-6, the Great Eastern Road.

About Department:

The Department has been successfully functioning for over six decades, preparing the post-graduates for the post of geologist / earth scientists to a number of Central, State, Public and Private organizations. The Department also provides an outstanding research environment and offers academic program leading to the award of Ph.D. Degree. Apart from this, Department takes care of B.Tech.(Mining Engg.), B.Tech. (Civil Engg.) and B.Tech. (Metallurgical Engg) and training them in basic fundamentals of geology branches.

Objectives:

Heavy dependency on ground water in many parts of India has created an unmanageable imbalance between recharge and discharge. Ground water professionals are facing supply side management problems in many new areas. Thus, urgent need is being felt for undertaking ground water exploration and development in new areas. The quest for alternative source has led to refinement of existing methods of ground water exploration and development. Convergence of geological, remote sensing & GIS, and geophysical methods has given promising results. These technologies help in study of large areas in short span of time. The reduction in number of water well failures have encouraged acceptability of the advance technologies of ground water exploration and development.

Theme/Scope:

The importance of groundwater is growing due to increase in demand and decrease in the availability of fresh surface water sources and rainfall. The main purpose of this short term training programme is to provide a common platform to the faculty members, young researchers, students and ground water professionals and making them familiar with the applications of geological, geospatial and geophysical techniques to solve problem related to groundwater development and management.

The lectures and demonstration in the field will be delivered by experts from NIT,CGWB, IIT, field agencies and other reputed academic and research institutions.

Topics to be covered:

- Introduction and other basic concepts of groundwater.
- Upcoming challenges in groundwater development and management.
- Application of Remote sensing and GIS for groundwater development and management.
- Application of Geophysical methods in groundwater development and management.
- Groundwater modeling in groundwater development and management.
- Field Data Acquisition and Data Interpretations.
- Field Training and Demonstration of Electrical Resistivity Techniques.

Targeted Participants:

- Post Graduate & Research Scholars
- Faculty Members
- Engineers, Scientists & field Practitioners of various organizations

Registration Fee Details (in INR):

Participants	Amount (in Rs.)
Students	500
Faculty	1000
Industry Delegates	1500

Application in the prescribed format with registration fee in the form of Demand Draft drawn in favor of “**Director, NIT Raipur**” must reach the Coordinator on or before 5th August 2016. No. of seats is limited to 25, short-listing will be done on first-cum-first serve basis and the candidate will be intimated through email. Certificates will be issued to the participants only after attending the complete course. No TA/DA will be paid to the participants.