

Registration Form

Name:.....

Designation:

Organization:

Qualification:

Correspondence Address:

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Tel. (O) (R)

(M).....

E-Mail:.....

Registration Fee is paid in the form of Cash/DD

Amount

DD No..... Date

Name of the Bank.....

Accommodation Required: Yes / No

Signature

Name:.....

Place:..... Date:...../...../.....

Note:

- ❖ Demand draft should be made in favor of **Director, NIT Raipur**, payable at SBI, GCET Branch (Code SBIN0002852), Raipur.
- ❖ Photocopies of registration form may be used.

Chief Patron

Dr. A. M. Rawani, Director, NIT Raipur

Patron

Dr. S. Gupta, Dean (R&C), NIT Raipur

Convener

Dr. Prabhat Diwan
Department of Applied Geology, NIT Raipur

Coordinator

Dr. D.C. Jhariya
Department of Applied Geology, NIT Raipur

Co-Coordinator

Dr. Neeraj Vishwakarma
Department of Applied Geology, NIT Raipur

Organizing Committee Members:

Prof. Pankaj Dewangan, NIT, Raipur
Dr. Ravi K Jade, NIT, Raipur
Dr. Himanshu Govil, NIT Raipur
Dr. Vikal Kumar Singh, NIT Raipur
Dr. Bhargava K. Iyengar, NIT Raipur
Mr. Gaurav Jangde, NIT Raipur
Ms. Indhulekha K, NIT, Raipur
Mrs. Tanushri Jaiswal, NIT, Raipur
Mr. Suvendu Kumar Sahu, NIT, Raipur

Address for Correspondence:

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Short Term Training Program on

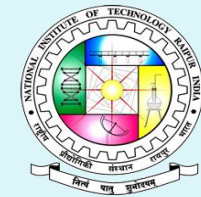
**“Application of Remote Sensing, GIS
and Electrical Resistivity Techniques
in Groundwater Investigation”**

From 27th to 31st January 2020



Organized by

Department of Applied Geology



**National Institute of Technology Raipur
G.E. Road, Raipur, Chhattisgarh-492010**

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 president Hon'ble Dr. Rajendra Prasad on 14th September 1956. the institute started with two departments namely Metallurgical and Mining Engineering.

Later the inauguration of the Institute building was done by our Prime Minister Hon'ble Pt. Jawahar Lal Nehru on 14th March 1963. From 1st December 2005, the institute has become the 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 the Department

The Department of Applied Geology came in existence since 1961. Department offers M.Tech. degree in Applied Geology. Apart from this, the department provides an outstanding research environment and offers academic program leading to the award of PhD degree.

The faculty members of the department are involved in research and consultancy activities in the field of groundwater development & management, petrology & geochemistry, mineral exploration and Remote Sensing & GIS application in Geological Field.

Objectives

Heavy dependency on ground water in many parts of India has created an unmanageable imbalance between recharge and discharge. Ground water professional are facing difficulty to find out groundwater potential zone. 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 wells 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 make themselves familiar with the application of geological, geospatial and geophysical techniques to solve problem related to groundwater investigation.

The lectures and demos will be delivered by experts from NITRR, CGWB and other reputed academic and research institutions.

Topics to be covered

- Role of geology and geomorphology in groundwater occurrence and movement.
- Challenge in groundwater investigation.
- Application of Remote Sensing and GIS in groundwater investigation.
- Application of Geophysical methods in groundwater investigation.
- Lab exercise on Remote Sensing & GIS.
- Field Training and Demonstration of Electrical Resistivity Techniques.
- Electrical Resistivity Field Data Acquisition and Interpretations.

Targeted Participants

- Post Graduate Students & Research Scholars
- Faculty Members
- Engineers, Scientists & field practitioners of various organization

Registration Fee Details (in INR):

Participants	Amount (in Rs)
Students	1000
Faculty	2000
Industry Delegates	3000

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 **01st January 2020**. Registration fee includes registration kit, tea and lunch during the program. Fee is non-refundable. Selected candidate will be informed by email as per the schedule. Certificates will be issued to the participants only after attending the complete course.