National Institute of Technology Raipur

One Week Self-Sponsored Short Term Training Programme On

Data Science and Hydrogeological Studies

Date of The Event

16th - 20th Feb, 2022

(In Virtual Mode)

REGISTRATION LINK:
HTTPS://DOCS.GOOGLE.COM/FORMS/D/1M1GXTOMWEMD-8HZFHEKYRX3TSCBHY6OLRCAAWMGSOI/EDIT?USP=SHARING

Objective

The STTP aims to provide a forum for researchers, practitioners and professionals from the industry and the academia to gain knowledge in the multidisciplinary field of Data Science. This one-week short term course will include lectures, special case studies for the application of the Data Science and Hydrogeological Studies and hands-on experiments using different tools. The contents of this STTP will be designed for the UG/PG/Ph.D. students and young researchers for the enhancement in skills.

Topics to be Covered

- Data Science Introduction
- Data Pre-processing and Missing Value Handling
- Clustering
- Association Rule Mining
- Time Series Analysis
- Introduction to Hydrogeology
- Remote Sensing and GIS
- Remote Sensing Data Interpretation and GIS analysis
- Application of RS and GIS in Hydrogeological Study
- Machine learning for Spatial Data Analysis

Special Attraction of the Event:

Interested and potential participants will be assisted by the coordinators for their research work and paper publication in SCI/SCOPUS Indexed Journals related to the theme of this STTP.

Chief Patron

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

Patron

Dr. P. Diwan, Dean(R&C), NIT Raipur

Convenor

Dr. Rakesh Tripathi, HoD, Information Technology

Course Coordinators

Dr. Mridu Sahu
Assistant Professor, NIT Raipur

Dr. D C Jhariya
Assistant Professor, NIT Raipur

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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 Organizing Department

Information Technology: Established in the year 2000, Information Technology Department is the study, research and work place of 300 people from 28 states across India. About 15 professors in this department teach mainly in areas like Information Science & Technology, Computer Science & engineering, system-oriented sciences, and mathematics, etc., carry out research in their respective fields.

Applied Geology: The Department of Applied Geology came into existence in 1961. Department offers M.Tech. degree in Applied Geology. Apart from this, the department provides an outstanding research environment and offers academic programs 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.

Speakers

Expert lectures will be delivered by distinguished faculties of the various branches from the institute.

Venue: Online (In Virtual Mode)

Important Dates:

- **Last Date for Registration: 5th Feb 2022**
- **Intimation Date: 10th Feb 2022**
- **STTP Date: 16th – 20th Feb 2022**

Selection:

Since the number of seats is limited to 30, the selection will be made on first cum first basis. Certificates will be issued to the participants only after attending the complete course.

Registration Fee

PARTICPANTS	REGISTRATION FEE (Rs)
UG/PG/Ph.D. Students	250/-
Faculty/ Industry Persons	500/-

Mode of Payment: Participants shall pay the registration fee either directly or send a demand draft in favor of "Director NIT Raipur" and fill the registration form.

Account name: Director NIT Raipur
Account number – 38027633250
IFSC code: SBIN0002852
Bank Name: State Bank of India
Branch Name: GCET/NIT Branch.

Note: After Completing the payment of registration fee, proof of payment receipt should be enclosed with the google form.

It is compulsory to fill the Registration Form

https://docs.google.com/forms/d/1M1gxTomWEmd-_8hzFHeKyRX3TSCBHy6OlrcaawMGSoI/edit?usp=sharing