

**Self Sponsored
Short Term Training Program (STTP)
On
Advanced Computational Techniques in
the field of Mining Engineering**

From 13-11-2017 to 17-11-2017

REGISTRATION FORM

Name:

Designation:

Organization:

Qualification:

Correspondence Address:

.....

.....

Tel. (O) (R)

(M)

E-Mail:

Registration Fee is paid in the form of
Cash/DD

Amount

No.....Date

Name of the Bank.....

Accommodation Required: Yes / No

Date: Place:

Signature of Participant

Note:

- Demand draft should be made in favor of Director, National Institute of Technology Raipur, payable at Raipur
- DD along with the registration-form must reach to the Conveners on or before 10/11/2017
- A PDF copy of registration form can be downloaded from the institute website www.nitr.ac.in

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

CO-PATRON

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

CONVENER

Dr. Pankaj Dewangan,
(Head, Dept of Mining Engg)
Dr. Mou Dasgupta

COORDINATORS

Dr. Ravi K. Jade
Dr. Manju Pandey

ORGANIZING COMMITTEE MEMBERS

Dr. M. Pradhan
Dr. P. Y. Dhekne
Prof. M. D. Patel
Prof. B. R. Parate

ADDRESS FOR CORRESPONDENCE

- Dr. Pankaj Dewangan, Head, Dept of Mining Engineering, NIT Raipur, C.G. hod.min@nitrr.ac.in, 98266 51855
- Dr. R. K. Jade, Asst. Professor, Dept of Mining Engg., NIT Raipur, C.G., rjade.min@nitrr.ac.in, 78694 81022

**One Week Self Sponsored
Short Term Training Program
On**

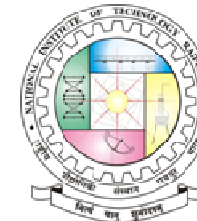
**Advanced Computational
Techniques in the field
of
Mining Engineering**

13th Nov to 17th Nov, 2017



Organized by

Department of Mining Engineering



**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 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.

ABOUT DEPARTMENT:

The Department of Mining Engg. was established in the Year 1956 with intake capacity of only 15 students. Due to increasing demand of mining engineers from coal and mineral industry, the intake capacity has now been increased to 77. At present, there are 291 undergraduate students in various semesters and 13 PhD scholars registered in the Department. The Department is equipped with state of the art modern instruments and equipments for conducting various laboratory and research work. The Department has undertaken and successfully completed number of testing and consultancy projects.

VENUE:

Department of Mining Engineering
NIT Raipur (CG) – 492 010

OBJECTIVES:

This training program is aimed at imparting knowledge on the concepts, various computational techniques and its applications which are been deployed for achieving solutions in the mining industry. Through this programme, it is also expected to explore and expand the potential deployment of these computational means for possible applications in the other areas of the mining activities so as to bring about increased automation and better decision making. As the mining industry has the critical situation where more than one best possible solution may exist, hence it is required to analyze the objectives in terms of the limited resources so that correct decisions are taken.

THEME/SCOPE:

The theme of this STTP is to provide a platform to the faculty members, researchers and students so that they could gain knowledge about the problems that exist in mining industry and how these can be resolved through various computational techniques. The participants shall be exposed to various issues Haulage & transport, operations sequencing, ore reserve computations, mine development, etc. This shall be supplemented with approaches to handle these issues more effectively.

TOPICS TO BE COVERED:

The following topics shall be covered in this STTP are Fundamental concepts of computational techniques, Operations in mining and problems related to mining, Exact and Approximation techniques, Goal programming, Transportation algorithms, Network flow modelling, Decision support system, Analytical Hierarchy Process, Fuzzy Analytical Hierarchy Process, Multi-criteria Decision Making, Internet of Things.

TARGETED PARTICIPANTS:

- Faculty members
- Research Scholars
- P.G. / U.G. students
- Mining Professionals

REGISTRATION FEE DETAILS

Participants	Amount (in Rs)
Students (U.G. / P.G.)	500
Students (PhD)	1000
Faculty	1500
Industry Delegates	2000

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 10/11/2017. Registration fee includes registration kit, tea and lunch during the program. Fee is non-refundable.