

National Level
SHORT TERM TRAINING PROGRAMME
ON
“Multi Criteria Decision Making and
Optimization” (MCDM & OT -2015)
May 25-29, 2015

PRINCIPAL COORDINATOR

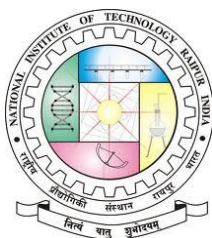
Dr. A. M. Rawani
Dean (Academics)

COORDINATORS

Dr. A. R. Singh
Dr. R Salhotra

CONVENORS

Dr. Nitin Kumar Jain
Prof. V. K. Gaba



ORGANIZED BY
Mechanical Engineering Department
National Institute of Technology
Raipur (C.G.) - 492 010, INDIA

About the Institute



National Institute of Technology, Raipur (Formerly Government Engineering College Raipur), situated in the capital of a newly incepted state 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, Hyderabad, Kolkata, Bhopal, Ahmedabad, Bangalore, Chennai and Chandigarh by regular flights and railway route.

About Department

The **Mechanical Engineering Department** came in existence since 1958. The department provides an outstanding research environment and offers academic program leading to the award of B.Tech., M.Tech (Thermal Engg., Machine design & Industrial Engineering & Management) and Ph.D. degree.

Introduction

One week short term training program “Multi Criteria Decision Making and Optimization” (MCDM & OT - 2015) is scheduled to be held during May 25-29, 2015. The aim of the program provide a platform in which participants get knowledge about the basics of MCDM & Optimization. It will help to bridge the gap between optimization theory and its application in practice.

Objective

The objective of this program is to train the faculty members, research scholars, young scientists, and post graduates students of various organizations. The objectives of this program is to provide a platform for interaction and exchange of ideas in the field of Multicriteria Decision Making and Optimization from national academic institutes, research laboratories, and industries. This Trining Program involves invited lectures by distinguished experts in the field of Multicriteria Decision Making and Optimization.

Topics to be covered:

- Basics of MCDM and Optimization
- Analytical Hierarchy Process
- Analytical Network Process
- TOPSIS Method
- PROMOTHEE Method
- Advances in MCDM Theory
- MCDM Techniques in Fuzzy Environment
- Behavioural Issues in Decision Making
- Taguchi Method
- ANOVA Analysis
- Response Surface Methodology
- Classical Optimization Techniques (Single and Multi Variable)
- Unconstrained and Constrained Optimization
- Multi- Objective Optimization Techniques
- Genetic Algorithm
- Particle Swan Optimization

Venue

E-Class Room
NIT Raipur (CG) – 492 010, INDIA

IMPORTANT DATES

Last date of receipt of application: 10.05.2015
Notification of confirmation (By Email): 15.05.2015

Eligibility

This programme is an interdisciplinary in nature so faculty members, research scholars and PG students from all background of engineering, mathematics and basic sciences are eligible for this Short Term Training Program (STTP). Scientists who are working in the R&D organizations/ Industry persons can also attend this programme.

Selection

Since the numbers of seats are limited to **40**, the selection will be made on **first cum first serve** basis and intimation will be sent to the candidates by email as per the schedule. Certificates will be issued to the participants only after attending the complete course. Accommodation may be provided on payment basis in institute hostels of NIT provided earlier request is made in the registration form.

Contact Persons

Dr. Amit Raj Singh **Prof. V. K. Gaba**
amitrajsingh1@gmail.com vivekgaba@gmail.com
91-8085829797 **91-9406173242**

REGISTRATION FEE

For Persons from Industries/R&D	Rs. 5000/-
For Faculty members	Rs. 4000/-
For Students / Research Scholars	Rs. 3000/-

The **non-refundable registration fees** should be sent in the form of a DD in favor of “Director, NIT, Raipur” payable at SBI, GCET Branch Raipur.

In case, **if a candidate is not selected** for the training program, then the DD sent by him/her will be **sent back** to his/her address before the beginning of the training program.

Resource Person:

Distinguished professors from IITs, NITs and other universities will be invited for delivering lectures.

ORGANIZING COMMITTEE

Dr G Srivasu Mechanical Engineering Department, NIT Raipur
Dr R K Sahu Mechanical Engineering Department, NIT Raipur
Sri S K Mukti Mechanical Engineering Department, NIT Raipur

PATRON

Prof. Sudarshan Tiwari
Director, NIT Raipur

REGISTRATION FORM

National Level

Short Term Training Programme
On

Multi Criteria Decision Making and
Optimization" (MCDM & OT -2015)
May 25-29, 2015

Organized by
Mechanical Engineering Department
NIT, Raipur

Full Name (Block Letter):
.....

Name of College/Institution/Organization:
.....

Qualification:

Designation:

Address:

Pin code:

Phone No.:

Mobile No.:

E-mail:

Do you need accommodation: (Yes/ No):

I have enclosed the registration fee of
Rs.....by D.D. No
Dated.....in favour of “**Director, NIT, Raipur**”
payable at **SBI, GCET Raipur Branch**.

Place:

Date:

Signature of the participant

Duly filled registration form must reach to Department of Mechanical Engineering, NIT-Raipur before last date of receipt of registration form by post/by hand along with registration fee.