

TEQIP-II SPONSORED
Short Term Training Programme
(STTP) on “Probability & Statistics with
Applications in Science and
Engineering”

August 17-21, 2016

REGISTRATION FORM

Name:
Designation:
Organization:
Qualification:
Gender:
Correspondence Address:
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Tel. (O) (R)
(M)
Fax. No.
E-Mail:
Registration Fee: Paid herewith in the
form of Cash/DD.
Amount
No. Date
Name of the Bank
Accommodation Required: Yes / No
Date: Place:
Signature

Note:

- Demand draft should be in favour of Director, National Institute of Technology Raipur, payable at Raipur.
- Photocopies of registration form may be used.

Chief Patron

Dr. S. Tiwari, Director, NIT Raipur

Patron

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

Convener

Dr. A. K. Sinha
HOD, Mathematics

Coordinators

Dr. Sujit Kumar Samanta
Dr. Deepmala Sharma
Dr. Debasisha Mishra

Organizing Committee Members

Dr. R. P. Pathak, NIT Raipur
Dr. S. N. Raw, NIT Raipur
Dr. M. K. Prasad, NIT Raipur
Dr. N. K. Thakur, NIT Raipur

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Organized by
Department of Mathematics



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

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. JawaharLal 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 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 of Mathematics** came in existence since 1956. The department provides an outstanding research environment and offers academic program leading to the award of Ph.D. degree. Apart from this, department taking care of Mathematical input to all undergraduate and postgraduate courses in Engineering and Computer Science Applications.

Venue:

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

Objective:

The course is to provide up-gradation of knowledge and skills for research scholars / faculties / scientists involved in active research. The course will provide in depth exposure to them. The lectures will be delivered by distinguished experts in their field. The five days short term course will include lectures, special case studies on the areas of Probability and Statistics with applications in Engineering, Science and Technology as well as a hand on practical experience on Latex. In addition, it will also feature invited lectures from eminent scientists and academicians.

Theme/Scope:

The five days STTP on "**Probability & Statistics with Applications in Science and Engineering**" will bring together a group of experts in Probability and Statistics in NITRaipur. This is a scientific and technological character event and aim to bring together professionals working in AICTE approved engineering colleges and persons work in Industry / R & D Organizations, students and researchers of engineering and related sciences. The scope of the presentations will include theoretical development of probability & statistics and its application in Engineering, Science and Technology, and any interdisciplinary combination that is not yet standard in the field. This programme will introduce LaTeX for beginners which is helpful for technical writing. The STTP will also address all-level researchers, and is aimed to help shaping future research directions and creating opportunities for new interdisciplinary collaborations.

Topics to be covered:

- Introduction to Probability, Random variables, and Probability Distributions
- One- and Two-Sample Estimation Problems
- One- and Two-Sample Tests of Hypotheses
- Simple Linear Regression and correlation
- Multiple Linear Regression and Certain Nonlinear Regression Models
- Introduction to Stochastic Process
- Applications of Probability and Statistics in Queueing Theory
- Typesetting Journal articles, technical reports, thesis and slide preparation

Targeted Participants:

- Academicians
- Industry Professionals
- Students and Research Scholars

Registration Fee Details (in INR):

Participants	Amount (in Rs)
Students	1000
Faculty	1500
Industry Delegates	2000

Applications in prescribed format with registration fee in the form of Cash/ Demand Draft drawn in favour of "**Director, NIT Raipur**" must reach the coordinator on or before 8th August, 2016. Registration fee includes registration kit, tea and lunch during the programme. Fee is non-refundable. Since the number of seats is limited to 25, 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. No TA/DA will be paid to the participants.