

REGISTRATION FORM

A three day short term course on
**ADVANCES IN INDUSTRIAL TRIBOLOGY
AND MAINTENANCE**
(AITM-2014)
2nd -4th May 2014, NIT Rourkela

Name:
Designation:.....Department:
Organization:
Mailing Address:
.....
Mobile:
Email:
Accommodation Required (Yes/No):
Payment Details: Amount: Rs/-
Demand Draft No.: Date:/...../2014
Bank:

Signature of Applicant Date:/...../2014

Certificate

This is to certify that _____
is an employee of our institute/Organisation and is
permitted to attend the Short term course on
“Advances in Industrial Tribology and Maintenance” to
be held at NIT,Rourkela during 2-4 May, 2014.

Signature of sponsoring authority with official seal

Coordinator: Prof. Samir Kumar Acharya
Co-coordinator: Prof. Suraj Kumar Behera

IMPORTANT DATES

Last date for receipt of application: 1st APRIL 2014
Notification about selection : 5th APRIL 2014

Only limited number of participants will be selected on
first-cum-first serve basis. Selected candidates will be
informed by email. Complete information for
communication must be necessarily provided in the
registration form.

ACCOMMODATION

Accommodation will be arranged for outside
participants at NIT guest houses (Twin sharing basis) or
in institute hostels on prior request on standard tariff.
The participants have to bear their own travelling
expenses.

CONTACT

For application form or for any other clarification please
contact

Prof. Samir Kumar Acharya
Department of Mechanical Engineering
Tel: +91-661-246-2502 (O), Mob: +91-9437248460
Email ID: skacharya@nitrkl.ac.in

Prof. Suraj Kumar Behera
Department of Mechanical Engineering
Tel: +91-661-246-2508 (O), Mob: +91-9040893760
Rourkela 769008 (Odisha)
Email ID: beherask@nitrkl.ac.in

A
THREE DAY
SHORT TERM COURSE

ON
**ADVANCES IN INDUSTRIAL
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AND MAINTENANCE**

(AITM-2014)

2nd -4th May, 2014



**Department of Mechanical Engineering
National Institute of Technology Rourkela
Rourkela 769008 (Odisha)**

ABOUT NIT ROURKELA

National Institute of Technology Rourkela was founded as “Regional Engineering College Rourkela” on 15th August 1961. The institute was declared as “National Institute of Technology” with “Deemed to be University” status on 26th June 2002 and subsequently “Institute of national importance” under the act of parliament on 15th August 2007. NIT Rourkela provides quality education in a diverse and multi-cultural environment. The mission of the institute is to meet the needs of the industry and commerce by providing human resource with the required knowledge and skill and also by promoting, dissemination, developing and transferring technology. The institute strives hard to become an internationally acclaimed institution of higher learning that will serve as a source of knowledge and expertise for the society and be a preferred destination for undergraduate and post graduate students.

NIT Rourkela is a residential campus offering accommodation to the faculty, staff and students. The campus has all the amenities for developing personal, social and academic skills of the student community.

The Department of Mechanical Engineering is the largest among all of its departments at NIT Rourkela with about 180 students doing their master’s degree and another 150 students are pursuing their doctoral program in different fields of cutting edge technology of the present time.

The location of the institute is about 8 kilometres from Rourkela Railway station and 2 kilometres from central bus-stand. It is well connected to major cities of India by direct rail link. The nearest airports are Bhubaneswar, Ranchi, Raipur and Kolkata.

INTRODUCTION TO THE PROGRAM

Indian industries are going through an increasing and stiff global competition day by day. To meet this serious challenge, industry should use the latest and proven concepts to improve productivity, quality of products and production cost. To achieve this, it is required to make systems/machineries in plant available with high reliability for production. To achieve this it required knowledge of industrial Tribology and Maintenance. The engineers coming out of the Institutes will be responsible for improving and maintaining the reliability of plants and their equipments. In industry, however maximum emphasis is given to preventing and breakdown maintenance and tribology is neglected, even though, it is responsible for over 40% of the breakdowns.

The programme is intended to provide a national platform for interaction between renowned tribologists of the country and senior academia and Tribology practising manager from Indian industry as participants.

COURSE CONTENT

- ❖ Maintenance and Tribology: An overview.
- ❖ Advances in Plant Maintenance and Tribology.
- ❖ Hydrodynamic ,Rolling element bearing
- ❖ Gear lubrication.
- ❖ Advanced Materials for Tribological Application.
- ❖ Nano and Bio Tribology.
- ❖ Coatings for wear protection.
- ❖ Case studies on advanced materials for steel industries.
- ❖ Industrial lubricants and additives.
- ❖ Case studies.

WHO SHOULD ATTEND?

The participation to this course is open to faculty of any engineering college, researches from research laboratory, Engineers from industries engaged in R&D in the area of Maintenance /Tribology. This program is also intended for research scholars pursuing M.Tech or Ph.D at any academic institute/ research laboratory. This program will also be helpful to students/faculties planning to pursue M.Tech/Ph.D in near future in the field of Tribology. The successful participants will be given participation certificate.

- a. Student/research scholars: 1500/-
- b. Faculty: 2500/-
- c. Delegates from industry: 8000/-

The course fee includes course material, working lunch, dinner and refreshment during the program days. Participants (Faculty members, research students) from NITRKL are exempted from paying registration fees.

PAYMENT

Registration fee has to be paid through Demand Draft in favour of ""**Continuing Education, NIT Rourkela**"" payable at **NIT Rourkela**. Demand draft along with completely filled in application form should reach Prof. Samir Kumar Acharya, Department of Mechanical Engineering, National Institute of Technology Rourkela, Rourkela-769008 (Odisha) on or before **5th April 2014**. The registration form can also be available at www.nitrkl.ac.in for downloading.