

One Week Short Term Course on

“Technical Launching on Environmental Issues” at NIT Raipur, from 26th - 30th June 2013

REGISTRATION FORM

Name:.....

Designation:.....

Organization:.....

Qualification:.....

Address for Correspondence:

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Tel. (O) (R).....

(M)

E-Mail:.....

Registration Fee details:

Amount.....

No.....Date.....

Name of the Bank.....

Accommodation Required: Yes / No

Date:

Place:

Signature

Note:

Cheque/DD must be drawn in favour of Director, National Institute of Technology Raipur, payable at Raipur.

Patron :

Dr. Sudarshan Tiwari
Director, NIT Raipur

Course Coordinators :

Dr. Lata S. B. Upadhyay
(Asst. Prof., Biotechnology)

Dr. Kavita Tapadia
(Asst. Prof. Chemistry)

Address for Correspondence:

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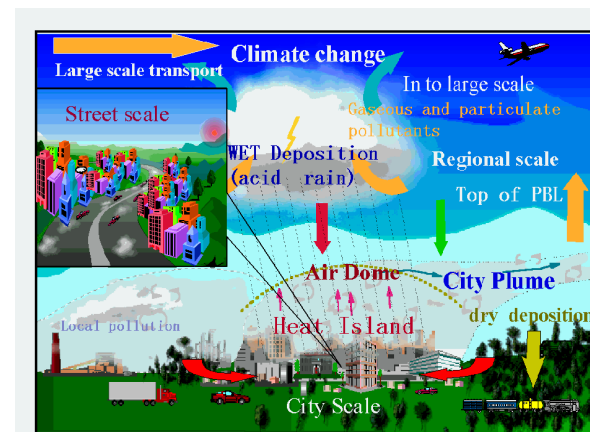
Dr S Sanyal, Chairman
Continuing Education Cell
NIT, Raipur
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One Week SHORT TERM COURSE ON

Technical Launching on Environmental Issues

26th June - 30th June 2013



Organized by
Department of Biotechnology and
Department of Chemistry
Raipur-492010 (Chhattisgarh)
and
Continuing Education Cell
NIT, Raipur

Background

Climate models predict an increase in the frequency and magnitude of extreme weather events, such as drought periods, intense rainfalls, changing the levels and bioavailability of contaminants in freshwaters as a result of runoff events from the surrounding soils. Metal contamination is an environmental problem in both developing and developed countries throughout the world. Pollution by metals is a matter of great concern because of its toxicity to living organisms and persistence in the environment. Outdoor air pollution contributed to 1.2 million premature deaths in China in 2010 as well as other parts of the world, “ambient particulate matter pollution” was the fourth-leading risk factor and air pollution seventh on the worldwide list of risk factors, contributing to 3.2 million deaths annually. India, which also has densely populated cities grappling with similar levels of pollution, had 620,000 premature deaths in 2010 because of outdoor air pollution. These facts thus place a challenge in front of technical and scientific society to analyze, discuss, learn and develop new technologies to save our future.

NIT Raipur

National Institute of Technology, Raipur is situated in the capital of Chhattisgarh. The Institute was founded by first President of India **Hon’ble Dr. Rajendra Prasad** on 14th September 1956. Based on student’s intake in B.Tech Course, it is the largest NIT in India. Presently, the institute offers 12 undergraduate and 6 postgraduate courses including MCA and M. Tech. in Applied Geology. The institute also offers and Ph. D programs undertake R & D activities, provides testing consultancy and other extension services.

Introduction

Environmental pollution is considered to be our world's most dangerous, and constant, threat; our

world is exposed to hazardous pollutants and chemicals from different sources every day. Slowly, our ecosystem is being brought down by the impending danger of pollutants. The predicted increase in temperature, up to 6 °C till 2100 is expected to affect organisms and ecological processes in both terrestrial and aquatic ecosystems. These problems require immediate scientific attention to find an appropriate and cost effective solution. The course is an attempt towards finding those solutions and making awareness. This short term course focuses on all aspects of Environmental Science, Engineering, and Technology. It will provide a good opportunity to know, learn and develop new collaborations and gather experts on the different topics including pollution monitoring, analysis detection, environmental remediation and new techniques developed in recent time. **Mahatma Gandhi ji** had once said that nature has enough to satisfy everyone’s need but has not enough to satisfy man’s greed. Join us to think about the environment and leave a better future to the coming generation.

Course Scope

A one week short term course for 30 participants is offered. The short term course aims to deal with the following themes:

- Advance Monitoring and analysis technique for environment pollutant
- Alternative eco-friendly fuel generation techniques
- Environment management
- Air, water and soil quality monitoring
- Role of nano technology in environmental assessment
- Biomonitoring of environmental pollution: biological, physical, morphological and chemical aspects
- Ambient monitoring techniques
- Energy system modeling and optimization

- Techniques for pollution control and resource recover

Participants

Faculty of Colleges and Universities
Practicing Engineers from industries
Research Scholars and individuals

Visit Places in Raipur

Raipur, capital of Chhattisgarh is a historical city of India. Energy Park, Gandhi Udyan, Purkhouti Muktangan, Burha Sarowar, Guru Ghasidas Museum, Nandanwan Zoo, Mahamaya Temple etc. are some of the interesting places to visit in Raipur. Raipur is a fast developing city and emerging as education hub of India. Institutions of high repute like NIT, National Law University, AIIMS, IIM, Engineering and Medical Colleges have been established here. Since, Chhattisgarh is rich in mineral, agriculture and forest, many public sector, private sector and multinational companies are situated around Raipur.

Important Dates:

Last date for application: **June 15th, 2013**
Participation confirmation: **June 20th, 2013**
Spot Registration on **26th June 2013** depending on availability of seats.

Registration Fee Particulars

Participants from Industries and Faculties: **Rs 2000**
Students from Academia: **Rs 1500**
Applications in prescribed format with registration fee in the form of Demand Draft drawn in favour of “**Director, NIT-Raipur**” must reach the course coordinator on or before 15th June, 2013. Registration fee includes course materials, breakfast, tea and lunch on event days. Accommodation will be provided only to the participants out of Raipur if available and will be charges as per rule. Few accommodations are available in boy’s hostel