

Short Term Course  
in  
**Solid and Hazardous Waste Management**  
November 12-19, 2010

**Registration Form**

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Organization: \_\_\_\_\_

Educational Qualification: \_\_\_\_\_

Mailing Address: \_\_\_\_\_  
\_\_\_\_\_

Telephone (Office) : \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

\_\_\_\_\_  
Signature of Applicant

**SPONSORSHIP CERTIFICATE**

Prof./Dr./Mr./Ms. \_\_\_\_\_

is being sponsored to attend the course from 12 to 19 November 2010. A demand draft/cheque of Rs. .... drawn in favour of 'CEP-STC, IIT Kharagpur' and payable at State Bank of India, Kharagpur branch (code 0202) is enclosed along with this form.

**COURSE COORDINATORS**

The following faculty members are coordinators for this course and can be contacted at these addresses.

**Prof. Debashish Sengupta**

Professor  
Dept. of Geology and Geophysics  
Indian Institute of Technology Kharagpur  
Kharagpur 721 302  
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**Email** : dsagg@gg.iitkgp.ernet.in

**Dr. Sudha Goel**

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Civil Engineering Dept.  
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**Dr. Arindam Basu**

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AICTE Sponsored  
Quality Improvement Program (QIP)  
Short Term Course  
on  
**Solid and Hazardous  
Waste Management**



12 - 19 November 2010



conducted by  
**Civil Engineering Department  
Department of Geology and Geophysics  
Indian Institute of Technology Kharagpur  
Kharagpur 721 302**

## SCOPE

A one-week QIP short-term course in 'Solid and Hazardous Waste Management' will be organized from 12 to 19 November 2010. With rapid industrialization and urbanization, solid and hazardous waste generation is growing at an extremely rapid pace in the country. With regulations in place for the last two decades, the public and private sector now have the necessary impetus for working in these areas. Today, most engineering colleges offer courses in 'Solid and Hazardous Waste Management' and their faculty can benefit for learning of significant new developments in this growing field. The objective of this course is to provide faculty from engineering colleges with state-of-the-art information regarding research and development in this field. Experts from various disciplines will share their expertise with participants. Two field trips to a hazardous waste management facility and a solid waste management facility are also included in the course.

## COURSE OUTLINE

Some of the topics that will be included in this course are :

1. Municipal solid waste management-a critical review
2. Hazardous waste management - an overview
3. Radioactive waste management - an overview
4. Modeling and GIS applications in radioactive waste management
5. Environmental risk assessment - overview and case studies
6. Environmental economics and waste management
7. Bioenergy generation
8. Bioremediation
9. Reclamation of the mining environment
10. Soil contamination and remediation

## COURSE INSTRUCTORS AND FACILITIES

All course instructors are faculty of IIT Kharagpur or guests from other reputed organizations. Lectures (about 40 hours) will be held on-campus and two field trips to hazardous and solid waste management facilities are planned.

Course materials : Lecture notes (including printouts of lecture slides) will be provided to all participants at the time of the course. A course completion certificate will also be provided to all participants at the end of the course.

Boarding and Lodging : Arrangements for accommodation (on a twin-sharing basis) and food for all participants will be made in the Visveswaraya (CEC) Guest House, IIT Kharagpur.

## ELIGIBILITY AND REGISTRATION

Faculty from AICTE-approved Engineering colleges/Universities are eligible to attend this course without paying registration fees. Travel allowance (TA) is limited to maximum 3-tier AC class, round-trip fare (train fare or lower) on submission of tickets. Admission to the course will be on a first-come basis and subject to the participants sending their registration from along with sponsorship certificate and caution money of Rs. 1000/- (to be refunded to those who attend the course).

For participants from other institutions and industry, a registration fee of Rs. 17,000/- is required to be paid. For participants from abroad (USA / Europe) the registration fee is USD 350 or equivalent in Euro's. The registration will include boarding and lodging in the guest house and course materials.

Registration form, sponsorship certificate, and fees should be mailed to :

Dr. Sudha Goel, Civil Engineering Department, IIT Kharagpur, Kharagpur, West Bengal 721 302

All payments can be made by Demand draft or cheque in favor of 'CEP-STC, IIT Kharagpur'.

Last date for submission of registration form, sponsorship certificate and fees : **27 August 2010.**

Participants who cannot be accommodated will be informed by email, latest by **31 August 2010.**

