

SPONSORSHIP / NOMINATION CERTIFICATE

Prof./Dr./Mr./Ms./Mrs./.....
.....

is an employee of our institute and his/her application is hereby sponsored / nominated. The applicant will be permitted to attend the short-term course **“Water Resources Management and Climate Change Impacts Assessment”** at IIT Guwahati during 22/12/14 to 26/12/14 if selected.

Our institute is (tick one):

- ☐ TEQIP Project funded / & listed Institution
☐ CFTI
☐ State Govt Funded Institution
☐ Other Institutions

Date Signature of Sponsoring Authority

Designation:

Official Seal:

Selected participants will be informed by e-mail.
The duly sponsored / nominated application form should be mailed to:

Dr. Manish Kumar Goyal and Prof A K Sarma, Course Coordinators, Department of Civil Engineering, Indian Institute of Technology, Guwahati, North Guwahati, Guwahati-781 039, Assam
Fax No.0361-2582440
Email: mkgoyal@iitg.ernet.in/aks@iitg.ernet.in

ABOUT TEQIP

Under the TEQIP-II program sponsored by the MHRD IITs have been invited to participate by establishing a Centre dealing with KNOWLEDGE INCUBATION (KIC) vide DO No. 16-25/2013-TS.VII dated 25th June 2013. These Centres are intended to become a focal point for training Faculty, Staff and students from TEQIP-II institutions in Knowledge Engineering, Content Creation, Improving Teaching, Pedagogy & administrative skills in identified niche areas/ disciplines.

ABOUT KIC

KIC- Knowledge Incubation Cell at IITG functions as a multidisciplinary as well as interdisciplinary Innovation Incubation Centre with Knowledge Management as its focus. Its activities are in the area of improving quality of technical education, incubator of Innovative Ideas; implementer of contemporary pedagogy practices and development of Learning Content in Technical institutions.

ABOUT IIT GUWAHATI

SNAP OF CAMPUS

IIT Guwahati campus is spread over a sprawling 785 hectares plot of green land on the north bank of the river Brahmaputra around 25 km from the heart of the city. With hills and vast open spaces the campus provides an ideal setting for training. Details on how to reach IITG Campus are available on the website: www.iitg.ac.in

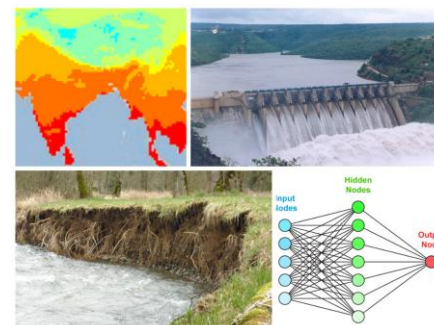


Indian Institute of Technology Guwahati

SHORT TERM COURSE ON

Water Resources Management and Climate Change Impacts Assessment

Dec 22 - 26, 2014



Conducted by
Department of Civil Engineering

Organised by
Knowledge Incubation Cell
Centre for Educational Technology
URL: <http://www.iitg.ac.in/cet>



IITG

TEQIP



ABOUT THE COURSE / EVENT

Faculty member of IIT Guwahati and guest faculty members from other premier Institution/ Organization will deliver lecture.

COURSE CONTENTS

Prediction of water availability in space and time has been a challenging task for the fraternity working the water resources and hydrology. It is now clear that climate change will lead to the intensification of hydrological cycle and will have serious impact water resources, especially in developing countries. The knowledge of engineering hydrology is useful in several areas of water resources such as real-time flood forecasting and flood warning, designing irrigation schemes and managing agricultural productivity, designing dams for water supply or hydroelectric power generation and operation of hydraulic structures, water supply, hydropower generation and assessing water balance of the region, etc. Generation of spatio-temporal variability of regional water resource on long-term basis vis-à-vis varying anthropogenic and environmental stress (climate change) require sophisticated modeling tools, such as, GCMs (dealing with large scale climate modeling and change) with a downscaling model, coupled to hydrological models. The course addresses both water quantity & quality issues within an integrated water management. The basic objectives of the proposed short-term course on hydro-climatology is to make participants aware of the basics of climate change issues, concept of integrated water resources management in relation to climate change, hydrological modeling and dealing with uncertainty in water resources management.

Topics to be covered

- Climate change and water resources.
- Hydrological modeling.
- Water Management
- Flood management
- River Bank Erosion
- Watershed Management schemes
- Case studies

ELIGIBILITY

The course/ event is open to Faculty members, of TEQIP listed Institutions / Engineering Colleges and Govt funded NE State Technical Institutions. Seats that remain unfilled will be open to other institutions. No course fee is charged. Candidates from TEQIP institutions will be reimbursed TA & DA from their respective institutions.

BOARDING AND LODGING

Boarding and lodging facilities (Guest House or Hostel rooms as per availability) will be provided for the selected candidates from TEQIP listed institutions. Depending on availability lodging may be extended to non TEQIP candidates on self-payment basis.

IMPORTANT DATES

The last date for the receipt of duly sponsored Applications:

BY email/ Hard copy : 10/11/14

Intimation of selection: 20/11/14

SELECTION CRITERIA:

Number of seats - 30.

Selection will be based on First cum first served basis from priority

(i) TEQIP mapped Institution (ii) CFTI (iii) State Govt Institutions (iv) Other institutions.

FINANCIAL ASSISTANCE FROM IITG

Limited number of selected Participants from CFTIs & State Govt institutions in the NE (ie: Non TEQIP funded institutions) may be eligible & considered for reimbursement of to and fro railway fare via shortest route in sleeper class (proof of journey / ticket needed) and free lodging and boarding in the hostel during course period.

Selected participants will be informed by e-mail.

For all other participants no, TA/DA will be paid by IIT Guwahati.

Address for correspondence:

Course Coordinators: **Dr. Manish Kumar Goyal and Prof. A. K. Sarma**, Department of Civil Engineering, Indian Institute of Technology Guwahati, Guwahati- 781 039

Email: mkgoyal@iitg.ernet.in/aks@iitg.ernet.in

Application Form

1. Name (block letters):
2. Designation & pay scale:
3. Organisation:
4. Address for communication:

Pin code:

E-mail:

Fax No.

Mobile No./ Telephone:

5. Highest Academic Qualification:

6. Specialization:

7. Experience:

(a) Teaching: (b) Industrial:

9. Choice of Accommodation:

☐ Hostel ☐ Guest House ☐ Will make my own arrangement.

10. Category: ☐ General ☐ Reserved

Please register me for the course on “**Water Resources Management and Climate Change Impacts Assessment**” to be held at IIT Guwahati.

I am sending an advance copy of this application by email to the coordinator of the course. And also I undertake to send the Hard copy signed by the Head of our Institution.

Place:

Date:

Signature of the applicant