

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 "Modern Instruments in research" in Central Instruments Facility, at IIT Guwahati during 09/02/2016 to 16/02/2016 if selected.

Our institute is (tick one):

- TEQIP Project funded /& listed Institution
- Central Funded Technical Institution
- State Govt Funded Institution
- Other Institutions (pl. Specify)

Date _____ Signature of Authority
with Designation _____

Official Seal

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

(Name of the Course Coordinator)
Prof. G. Krishnamoorthy
Head
Central Instruments Facility
E-mail: hocinst@iitg.ernet.in
Indian Institute of Technology Guwahati
North Guwahati, Guwahati-781 039, Assam
Ph. No. 0361-258 3101/3125/2315
Fax No.: 0361-2583104

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 12013. These Centers 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 multi-disciplinary 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 :



**Indian Institute
of Technology Guwahati**



SHORT TERM COURSE ON

**Modern
Instruments
in Research**

**29-03-2016
to
01-04-2016**

Conducted by

Central Instrumental Facility

Organised by

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

TEQIP



ABOUT THE CENTER

Central Instruments Facility (CIF), one of the major service center of the institute. Every third faculty of the institute use the facility. CIF housed several sophisticated instruments which cater to the cutting-edge research in contemporary science and technology. Apart from 11 (of the 14) academic departments and centers of the institute, institution from the north-eastern India and other part of the country use the facility.

ABOUT THE COURSE / EVENT

The course is a first of its kind organized by Central Instruments Facility (CIF). The uniqueness of the program is nearly half the session is planned to devote for the live demonstration of sample preparation and analysis of the sample (including the sample from the participant, subjected to availability time and number of samples) in different sophisticated instruments of CIF. In addition faculty member of IIT Guwahati and guest members from other premier Institution/organization will deliver lecture on the utility of these instruments in different areas of science, engineering and technology.

Some of the instruments to be covered

- Scanning Electron Microscope (SEM)/ Field Emission Scanning Electron Microscope (FESEM)
- Atomic Force Microscope (AFM) and Scanning Tunneling Microscope (STM)
- Confocal Laser Scanning Microscope
- Surface Area and Pore Size Analyzer and High Pressure Analyzer
- Nanoindentor
- Impedance and Materials Analyzer
- Single Crystal X-ray Diffractometer (XRD)
- Spectroscopic Ellipsometer
- Nuclear Magnetic Resonance Spectrometer (600 MHz)
- Spectroscopic Ellipsometer
- Electron Spin Resonance Spectrometer
- Liquid Chromatography Mass Spectrometer

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) 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: scanned copy: 31/12/2015
Hard copy must reach by 10/1/2016
Intimation of selection: 21/1/2016 by e-mail

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 FOM 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 :

Name : Prof. G. Krishnamoorthy

Head, Central Instruments Facility

**Indian Institute of Technology Guwahati
Guwahati- 781 039**

E-mail: hocinst@iitg.ernet.in, cif@iitg.ernet.in

<http://www.iitg.ernet.in/cif/internet/events>

Application Form

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

Pin code: Ph. No.:

E-mail:

Fax No.

Mobile No./ Telephone:

5. Highest Academic Qualification,

6. Specialisation

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 "Modern instruments in research" to be held at IIT Guwahati. I am sending an advance copy of this application by email to the co-ordinator of the course.

I undertake to send the Hard copy signed by the Head of our Institution.

Place:

Date:

Signature of the applicant