

## 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 **"Recent Advances in Communications and Signal Processing"** in Department of EEE at IIT Guwahati during 12/01/2015 to 16/01/2015, if selected.

Our institute is (tick one):

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

Date.

Signature of Authority

Designation

Official Seal

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

**Dr. Ratnajit Bhattacharjee**

Professor

**Department of Electronics and Electrical  
Engineering**

Indian Institute of Technology Guwahati  
North Guwahati, Guwahati-781 039, Assam  
Ph. No.: 0361-2582503(O)

Fax No.: 0361-2582542, 2690762

<http://www.iitg.ernet.in/eee/rb.html>

## 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 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: [www.iitg.ac.in](http://www.iitg.ac.in)



## Indian Institute of Technology Guwahati

### KIC-TEQIP SHORT TERM COURSE

on

### Recent Advances in Communications and Signal Processing

January 12-16, 2015

Conducted by  
Department of EEE  
IIT Guwahati

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

### Topics to be covered:

- **Wireless communication over fading channel**
- **Emerging ultra wideband (UWB) communication systems**
- **MIMO communication systems**
- **Cognitive radio and spectrum sensing**
- **Implementation of cognitive radios: issues and challenges**
- **Game theory applications for wireless networks**
- **Recent advances in adaptive signal processing**
- **Sparse representation and compressive sensing**

## 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: 10/12/14

Hard copy must reach by: 15/12/14

Intimation of selection: 19/12/14

## 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 (i.e., 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 :

**Prof. Ratnajit Bhattacharjee / Dr. Rohit Sinha**

**Department of Electronics and Electrical Engineering**

Indian Institute of Technology Guwahati

Guwahati- 781 039

Email:{ratnajit, rsinha}@iitg.ernet.in

## Application Form

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

Pin code:

Fax No.

E-mail:

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

**“Recent Advances in Communications and Signal Processing”**

to be held at IIT Guwahati.

I am sending an advance copy of this application by email to the coordinator of the course.

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

Place:

Date:

*Signature of the applicant*