

SPONSORSHIP

Dr./Mr./Ms./Mrs. _____

_____, an employee of our institute is hereby sponsored to attend the QIP short-term course on **Digital Communication Techniques** at IIT Guwahati, during 12-16 September, 2011.

Date _____ Signature of the Sponsoring authority _____

Designation
Official Seal

For applicants from industries and Government Departments

DD No. _____ Date: _____

Bank: _____

Amount: _____

Signature of the Applicant _____

ADDRESS FOR SENDING COMPLETED APPLICATION FORM

Dr. P. R. Sahu

Department of Electronics and Electrical Engineering,
Indian Institute of Technology Guwahati
Guwahati, Assam, PIN - 781039, India
Ph: 91-361-2582517, Fax: 91-361-2582542

Email: prs@iitg.ernet.in

ELIGIBILITY

The course is open to faculty members of AICTE approved engineering colleges and practising engineers from the industry. No course fee is charged for participants sponsored by AICTE approved institutions. Participants (teachers or non-teachers) from other government and private organizations are eligible provided they meet their TA and DA and pay a course fee of Rs. 2,500/- for government organizations and Rs. 5,000/- for private organizations. Applicants must have minimum qualification of BE/B. Tech in Electronics and Communication or equivalent.

FINANCIAL ASSISTANCE

The participants will be provided financial assistance in the form of TA/DA as per the QIP norms. It may be noted that such assistance is admissible only to the faculty members of AICTE approved engineering colleges.

BOARDING AND LODGING

Boarding and lodging for the participants from AICTE approved institutes will be arranged in IITG hostels. However, lodging can also be arranged in Institute Guest House (subject to availability) on payment of a rent. Guest House rent per day is Rs. 350/- for single occupancy and Rs. 400/- for double occupancy.

IMPORTANT DATES

Last date of receipt of duly sponsored applications:
14th August, 2011

Intimation of selection: **26th August, 2011.**

QIP SPONSORED

SHORT TERM COURSE

ON

**DIGITAL COMMUNICATION
TECHNIQUES**



12-16 SEPTEMBER, 2011

Organized by

Department of
Electronics and Electrical Engineering
Indian Institute of Technology Guwahati
Guwahati, Assam, India

BACKGROUND

Digital communication technique is the backbone of all communication systems of the present day world. The short-term course on **Digital Communication Techniques** aims at revisiting the principles of these techniques and highlighting its application for various wire line and wireless communication systems. Besides, the course is planned to provide information on latest areas of research on digital communication that require further investigation such as fading channels communications, ultra wideband systems, mobile communications and other communication systems of importance. Such topics will be discussed at length to motivate the participants to go for active research in those areas.

VENUE

Indian Institute of Technology Guwahati, the sixth member of the IIT fraternity, was established in 1994. The academic program of IIT Guwahati commenced in 1995. At present the Institute has eleven departments covering all the major engineering and science disciplines. Within a short period of time, IIT Guwahati has been able to build up the necessary infrastructure for carrying out advanced research and has been equipped with state-of-the-art engineering and scientific instruments. IIT Guwahati campus stands on a sprawling 285 hectares plot of land on the north bank of the river Brahmaputra. The campus is about 25 Km. from the heart of the city. With the majestic Brahmaputra on one side, and with hills and vast open spaces on the others, the campus provides an ideal setting for learning.

The city of Guwahati is the gateway to the NE region and connected to many major cities in the country by rail and air. Weather during winter is slightly cold, temperature varying between 10-20 degrees Celsius.

COURSE CONTENT

Outline of the broad topics that will be covered during the course are as follows:

Review of Digital Communication principles and it Applications to systems.

Coding for Digital Communications

Wireless Communications

Advanced Topics on Digital Communication Applications – Fading channel, UWB, Satellite, mobile etc.

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COURSE MATERIAL

Short notes, slides and reference materials will be provided on CD as well as in printed form.

FACULTY

Faculty members will be mostly from the Department of Electronics and Electrical Engineering, Indian Institute of Technology Guwahati, Assam.

QIP SHORT TERM COURSE ON

DIGITAL COMMUNICATION TECHNIQUES

12-16 September, 2011

1. Name (in block letters):
2. Designation:
3. Basic pay:
4. Organization:
5. Address for communication:

Pin:

Ph. No:

Fax no:

E-mail:

6. Highest Academic Qualification

7. Experience (in years):

(a) Teaching:

(b): Industrial:

Preferred Accommodation:

Hostel

☐

Guest House

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Kindly register me for the QIP short-term course on **Digital Communication Techniques** to be held at IIT Guwahati.

Place:

Date:

Signature of the application