SPONSORSHIP

Mr./Mrs./Dr. _____
is an employee of our institute and his/her application is hereby sponsored. The applicant will be permitted to attend the short-term course at IIT Guwahati during 5th - 9th June 2006, if selected.

Date: Signature of Sponsoring Authority
Designation:
Official Seal:

For applicants from Industries and Government Departments:

DD No. Date:

Bank:

Amount:

Signature of the Applicant

The duly sponsored application form should be mailed to:

Dr. S. T. G. Raghu Kanth, Course Coordinator
NPEEE Short Term Course (PSHAD– 2006)
Department of Civil Engineering
Indian Institute of Technology Guwahati
Guwahati – 781 039, Assam.

Ph. No.: 0361 258 2404 (O), 0361 258 4404 (R)
Fax No.: 0361 269 0762
Email: rk@iitg.ernet.in

ELIGIBILITY

The course is open to teachers of Engineering Colleges approved by AICTE and having a degree in Civil Engineering. ***However, preference will be given to teachers dealing with Structural/Geotechnical Engineering related subjects and have PG degree in Structural/Geotechnical Engineering***. ***No course fee*** is charged for participants sponsored by AICTE approved institutions.

Participants from Industry and Government Departments are eligible, provided they meet their T.A. and D.A. and pay a course fee @ Rs. 4000/-. The payment is to be made by demand draft drawn on any Nationalized Bank in favour of ***IIT Guwahati*****, payable at Guwahati.**

BOARDING AND LODGING

Boarding and lodging facilities will be provided for the selected candidates from AICTE approved institutions in one of the student's hostels of the institute. However, subject to the availability, limited number of rooms available in the Institute Guest House will be provided on first-come-first-served basis.

IMPORTANT DATES

The last date for the receipt of duly sponsored applications: 27. 04. 2006

Intimation of Selection: 02. 05. 2006

N.B. Interested candidates may send advance copy of the application duly countersigned by the Head of the Department/Controlling Officer (for sponsored candidate) to avoid procedural delay.

SHORT TERM COURSE

ON

Probabilistic Seismic Hazard Assessment and Structural Design (PSHASD-2006)

Under

June 5 – 9, 2006

Sponsored by
Ministry of Human Resource Development
Government of India

Coordinator
Dr. S. T. G. Raghu Kanth

Department of Civil Engineering
Indian Institute of Technology Guwahati
Guwahati - 781 039

BACKGROUND

The National Programme on Earthquake Engineering Education (NPEEE) supported by the Ministry of Human Resource Development (MHRD) Government of India, aims at developing better teaching capabilities within the country in the crucial area of Earthquake Engineering. Our country is prone to unacceptably large earthquake risk that needs to be reduced by a variety of means. However, in any endeavour towards seismic risk reduction, the lack of adequate quality and quantity of manpower is a major bottleneck in our country. NPEEE is meant for developing capacity within the engineering and architectural institutions of the country in this subject. The main vehicle of this program is the *development of curriculum and training of the teachers for the same.*

COURSE OBJECTIVES

The course aims at introducing the vital aspects of earthquake engineering and seismology. Fundamental concepts, methodologies, techniques for analysis and design, case studies will be the important components of coverage. The course also aims at providing a forum for brain storming discussion on the current practices and future trends in seismic design of structures.

COURSE CONTENTS

- Engineering Seismology
- Wave Propagation
- Ground motion characteristics
- Attenuation relations
- Ground motion simulation models
- Probabilistic seismic hazard analysis
- Seismic microzonation
- Finite element analysis in earthquake engineering
- Seismic fragility analysis
- Philosophy of earthquake resistant design
- Seismic retrofitting

FACULTY

The course faculty will be experts involved in teaching, research and consultancy in the area of Earthquake Engineering and Seismology. The core faculty will be from IIT Guwahati and experts drawn from different reputed institutions and organizations will be invited to give lectures on selected topics related to the theme of the course.

ABOUT IITG CAMPUS

IIT Guwahati campus is spread over a sprawling 285 hectares plot of land on the north bank of the river Brahmaputra around 20 km from the heart of the city. With the majestic Brahmaputra on one side, and with hills and vast open spaces on others, the campus provides an ideal setting for learning. Guwahati city (situated at 91^0 44' E longitude & 26^0 10' N latitude) is gateway to beautiful NE region of the country and linked with all major cities by rail, road and air. The scenic panorama of the valley, the remarkable architecture, the local points of art and culture have made the city to one of the most popular destinations in the country. Guwahati has a temperate climate with temperature varying between 7^0C to 37^0C. Summer span is usually from May to September. Buses, auto-rickshaws and taxis are available from Guwahati City to the IIT Guwahati Campus.

FINANCIAL ASSISTANCE

Participant sponsored by AICTE approved institutions will be eligible for single Third AC (Non-Rajdhani) to and fro railways fare, free lodging and boarding at **IITG Guest House** (Non AC and sharing basis) during the course period, **subject to availability**. **Participants attending the course in full only will be eligible for TA. Participants are required to produce ticket(s) in original for reimbursement.**

NPEEE SHORT TERM COURSE ON

Probabilistic Seismic Hazard Assessment and Structural Design (PSHASD – 2006)

June 5 – 9, 2006

Application Form

1. **Name (block letter):**
2. **Designation:**
3. **Organisation:**
4. **Address for communication:**

Pin code: **Ph. No.:**
Fax No. **E-mail:**

5. **Highest Academic Qualification:**
6. **Specialization:**
7. **Experience (in years):**
   (a) Teaching: **(b) Industrial:**
8. **Courses taught (last five years):**

9. **May attach a separate enclosure on Earthquake Engineering related activities pursued in past 5 years (in maximum 300 words).**

Place:
Date: **Signature of the applicant**