Completed registration form should be sent to the following address:

Prof. RAAJ. Ramsankaran,
Department of Civil Engineering,
IIT Bombay, Powai, Mumbai – 76.

Phone: (022) –25767348
Fax: (022) –25767302 / 25723480
Email: **ramsankaran@civil.iitb.ac.in**

Note:

While sending the filled-in form, on top of the envelope super-scribe as follows "Registration for the QIP course on GIS for Civil Engineers"

Important Dates

Last date for the receipt of duly filled-in registration form: **March 20, 2016**

Notification of acceptance: **April 03, 2016**

Note:

- Incomplete application forms will not be entertained.
- For multiple registrations, copy the form and fill or type in the given format.
- Acceptance will be intimated through email only.

For any further information regarding QIP programmes at IIT Bombay, please contact:

Professor-In-Charge, CE & QIP,
IIT Bombay, Powai, Mumbai–76.
Phone: (022) 25767006
Email: qip@iitb.ac.in
For further details: http://www.qip.iitb.ac.in/index.php
Or
http://www.qip.iitb.ac.in/qipcourse2016.php

Registration

There is no registration fee for the course. However, all shortlisted candidates are required to confirm their participation by sending a **"Demand Draft of Rs.1,000/- in the name of "Registrar IIT Bombay".** The above amount will be refunded to the participant if he / she attends the course. In case a participant does not attend the course, the above amount is forfeited.

Candidates should complete the enclosed registration form along with the necessary documents, and send it either by mail/email/fax to the coordinator. Confirmation of eligible candidates will be on a first come first served basis upto a maximum of 30 candidates.

The completed registration forms should reach the course coordinator by **March 20, 2016**.

Course Schedule & Evaluation

All the participants should report at the first floor seminar hall, Dept. of Civil Engg., IIT Bombay at 9.00AM on **May 23, 2016**.

This course is scheduled to be held during May 23-27, 2016. Successful participants would be awarded "Course Completion Certificate".

Quality Improvement Programme

Short Term Course

on

GIS for Civil Engineers

May 23-27, 2016

Course Coordinator

Prof. RAAJ. Ramsankaran
Department of Civil Engineering
IIT Bombay

Supported by
Office of the
Continuing Education &
Quality Improvement Programmes
Indian Institute of Technology Bombay Powai,
Mumbai - 400 076.

Introduction

Civil engineering is about developing and sustaining infrastructure. The profession covers many areas of interest and a broad range of expertise like water resources, geotechnical, structural, transportation engineering etc. As a result, civil engineers work with a voluminous amount of data from a variety of sources. Geographic Information Systems (GIS) technology provides the tools for creating, managing, analyzing, and visualizing the data associated with developing and managing infrastructure. Thus, GIS is playing an increasingly important role in civil engineering field by supporting all phases of the infrastructure life cycle and one should exploit this tool to gain its advantages. Also, people are unaware of the advantages of open source GIS tools which are freely available and can be developed by any user. Instead, they still depend on Proprietary GIS Softwares which are highly expensive with limited number of licenses for limited time period. Thus, this short term program is mainly aimed to spread the importance of GIS for civil engineers by teaching basic concepts of GIS and spread the awareness about available Open Source GIS softwares.

Broad Objectives

The short term course is intended to introduce the following themes:
- To spread the importance of GIS in Civil Engineering
- To promote the use of open source GIS softwares
- Teach the basic concepts and hands on experience on few applications so that at the end of course, participants reach such a level that they can further explore themselves according to their needs

Course Contents

The short-term course would include lectures/hands on lab sessions on the following topics:
- Basic concepts of GIS.
- How to prepare and handle GIS data and execute a project in it.

- Hands on experience on open source GIS software and implementing various case studies.
- Execution of a mini project by the participants themselves.

Teaching Faculty

The teaching faculty constitutes experts from IIT Bombay.

Venue for Classes

Classes will be held in the ground floor computing lab of Department of Civil Engineering, IIT Bombay.

Lecture Notes

Hard copies of the lecture notes or presentations will be made available at the time of registration.

Eligibility

Faculty members of degree level engineering colleges recognized by AICTE, working in the area of Civil Engineering are eligible to attend the course. Preference will be given to the faculty members working/teaching the following subjects like Surveying, Remote sensing & GIS, Water Resources, Hydrology, Transportation, Land Management, Hazard Mapping, Environmental Engineering, Urban planning, etc.

Transport, Boarding & Lodging

Participants are entitled for Second Class (Sleeper Class) or III AC railway fare to and fro by the shortest route from college to IIT Bombay. All participants will be given auto rickshaw fare from Kanjurmarg/Andheri to IIT on the dates of arrival and departure. Local participants will be paid II class railway fare or BEST Bus fare.
Boarding and lodging will also be provided free of cost. Accommodation will be provided in the students Hostels. Since accommodation is limited, family members of the participants cannot be accommodated.

Note: All selected participants should bring their own laptops to perform the GIS lab exercise.

QIP Short Term Course on GIS for Civil Engineers

May 23 - 27, 2016

Registration Form

Name (in block letters): _____

_____ Gender: M / F

Designation: _____

Organization: _____

Educational Qualification: _____

Specialization: _____

Experience: _____

Email: _____

Mobile No.: _____

Payment: Rs:_____

DD No.:_____Dt:_____

(DD in favour of "Registrar, IIT Bombay")

Required accommodation in campus: YES / NO

Signature of the Applicant:

Sponsorship & signature of Head of the College/ Institute (with date & seal). *(Can also be attached separately along with the registration form).*