

Registration Form

Name: _____

Organization: _____

Address:

City: _____

Pin code: _____

Phone:(With Code) _____

E-Mail: _____

A Demand Draft* is enclosed for
Rs. _____ No. _____ Dated

(*Drawn in favor of "TERI University"
payable at New Delhi)

Registration Fee: Rs. 2,000/-

Fee includes Course Material, Quantum GIS Software CD, Tea and Lunch for two days. Participants should make their own arrangement for stay.

About the University

The TERI University is a deemed university, with its 'green' campus located at Vasant Kunj in New Delhi. It has been set up as an institution of higher learning to meet the needs for a rapidly developing India. But, as a global institution, while it draws strength from the ethos and traditions of India, the University reaches out in sourcing knowledge from across the globe. The university offers doctoral and master's level programmes in various areas related to sustainable development.

About the Department

The Department of Natural Resources aims to advance and impart knowledge about the environment and natural resources, including their characteristics and dynamics, their economic and societal value, and their management in an ecologically, socially, technically and economically sound and sustainable manner. The department offers MSc programmes on Environmental Studies, Natural Resources Management, Water Resources Management, Plant Biotechnology, Climate Science & Policy and Geoinformatics. The department has well equipped laboratories including GIS laboratory with latest hardware and software on GIS.

For sending Registration Form & Other details contact:

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Two Day
Training Program
on

Open Source Geographic Information Systems Quantum GIS

17th - 18th April, 2010

Organized by



Department of Natural Resources
Faculty of Applied Sciences
TERI University
New Delhi 110 070

In collaboration with:



Venue

TERI University
10 Institutional Area, Vasant Kunj
New Delhi 110 070
www.teriuniversity.ac.in
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Open Source GIS

Geographic Information Systems (GIS) have become a tool with widespread use in developmental applications. The power of a GIS can have a positive influence in community based planning and scientific decision making for developmental activities.

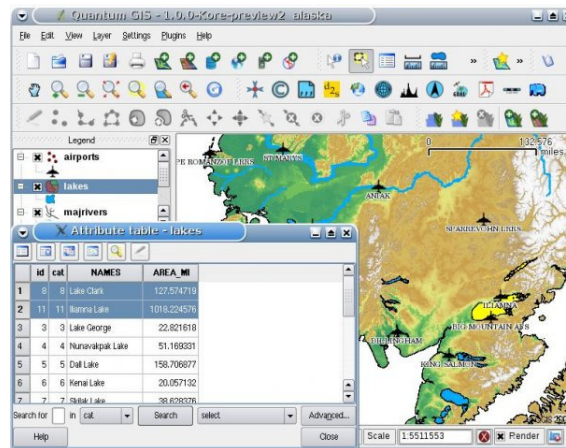
However, the life-cycle cost of commercial GIS packages and the ever changing hardware requirements to support these packages make the economics of implementation difficult.

Until recently open-source GIS packages did not have the capabilities and user-friendliness of commercial packages. Recent developments by the open-source community has resulted in the development of Quantum GIS which is a low cost high quality GIS software.

This training program in Quantum GIS is organized to introduce students to the basic features of this open source package.

Quantum GIS

- View and overlay vector and raster data in different formats and projections.
- Supports ESRI shape file, Geodatabase, Map-Info, PostGIS and other vector formats
- Supports all industry standard raster formats
- User friendly GUI
- Create maps and interactively explore spatial data with a friendly graphical user interface.
- Supports download/upload directly to a GPS
- Extensible plugin architecture to support customization for special needs
- Perform spatial analysis using the fTools plugin
- Perform powerful GIS operations using GRASS Plugin
- Prepare maps for Printing using Print Composer
- Runs on Windows, Linux & Mac
- Requires less memory and processing power and hence can be used on older hardware



Course Topics

Day 1:

- Introduction to GIS
- Introduction to Open Source GIS
- Introduction to Quantum GIS
- Displaying Data
- Georeferencing
- Creating and Editing Data
- Attribute Querying

Day 2:

- Vector data processing—fTools Plugin
- Vector Spatial Analysis—fTools Plugin
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All Concepts will be reinforced with lab sessions