An Introduction to GIS and Mapping

Using the Quantum GIS package with Android smartphone based field mapping software

Annoucing a three day workshop covering basics of vector GIS and GPS. This workshop is aimed at first time GIS users.

The workshop will cover the basics of vector GIS and map layout and using a GPS to create waypoints and tracks and for navigation. We will optionally cover the use of smartphones with GPS for geo–tagging photographs and notes.

Venue & Dates: 6th to 8th November, 2015 at the FERAL Campus.

Costing: There is no course fee for full time students. For others, course fee: ₹3,000/-. Food and lodging: ₹3,000/- for resident and ₹1,500/- for non-resident participants & students.

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REQUIREMENTS FOR THE WORKSHOP

Participants must bring their own laptops and Android based, GPS and data enabled smartphones. Software that needs to be installed before coming to the workshop includes Quantum GIS (on the laptop) and Geopaparazzi, GPSstatus and OSMand (on the smartphone).

Please note that software installation requires a fast internet connection and both Q-GIS and Geopaparazzi need additional datasets and have other software dependencies. Also note, you will need a fairly modern smartphone for this software to work properly.

TOPICS COVERED

Basic GIS

❍ Geo-referencing a paper map.

❍ Digitising basics.

❍ Handling attributes and using them for thematic mapping.

❍ Map layout and printing.

Field Mapping

❍ Collecting waypoints & tracks and using them for navigation.

❍ Taking geo-tagged photographs and notes.

❍ Sharing data with Quantum GIS

Software installation notes and sites.
Quantum GIS: http://www.qgis.org/download
Geo-paparazzi: http://geopaparazzi.github.io/geopaparazzi/
GPS Staus: http://mobiwia.com/gpsstatus
OSMand: http://wiki.openstreetmap.org/wiki/OsmAnd