Hands-on Training on QGIS
(12-14 November 2024)

About the institute:

The ICFRE-Tropical Forest Research Institute, Jabalpur is one of the nine regional institutes under the Indian Council of Forestry Research & Education to provide research support to the problems of forest management in central India. The institute has not only steadily advanced in terms of infrastructure but also specialized itself as a major nucleus for research on forestry and ecology related problems of tropical forests of the central region comprising of the states of Madhya Pradesh, Chhattisgarh and Maharashtra .

About Jabalpur:

Jabalpur is located on the bank of holy river Narmada and is a major administrative and educational hub of central India. Jabalpur is well connected by Road, Train and Air routes. The tourist places of Jabalpur includes River Narmada, Bedhaghat (Marble rocks, Dhuandhar), Bargi Dam, Madan Mahal Fort and Rani Durgawati Museum.

How to travel:

Nearest Railway Station: Jabalpur Railway Station, 10 Km.
Nearest Airport: Jabalpur Airport, 25 Km

Introduction:

This 3-day beginner-friendly, capsule course on QGIS is designed to provide participants with essential GIS skills in the shortest possible time. Tailored for new learners with little to no prior GIS experience, this training focuses on hands-on practice rather than theoretical lectures. With minimal theory and maximum time devoted to practical exercises, participants will quickly get up to speed with QGIS, learning how to manage, analyse, and visualize spatial data.

By the end of the course, attendees will be able to confidently perform key GIS tasks such as georeferencing, basic spatial analysis, and map creation. This intensive, practical training is ideal for those looking to enhance their GIS skills in a fast-paced, focused learning environment.

Target Group:

UG, PG students, Research scholars, faculties and others.

Topics to be covered:
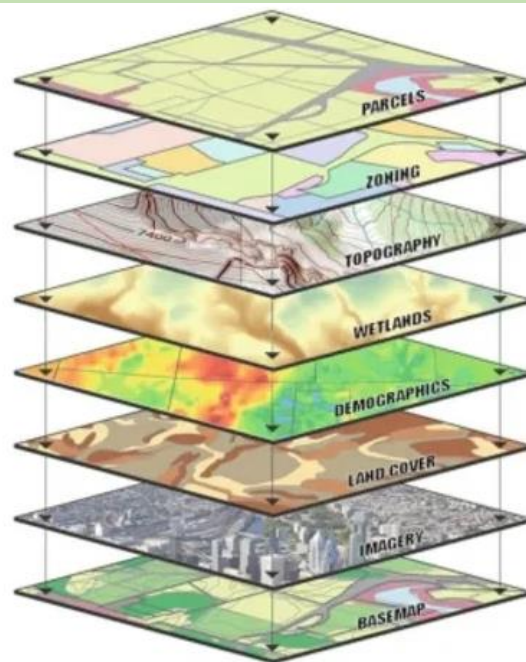
- **Getting Started with QGIS and Basic Operations**

1. Installing & Overview of QGIS interface.
2. Introduction to coordinate reference system (CRS).
3. Adding google maps and google satellite
4. Importing coordinates/GPS data
5. Basic Geoprocessing Tools

- **Data Management and Vector Editing**

1. Georeferencing a topographic map.
2. Creating and Editing Vector Data
3. Working on labels and symbology of vector data.
4. Working with attribute table.
5. Joining excel data into attribute table.

- **Advanced Spatial Analysis and Map Production**

1. Extracting elevation data from DEM
2. Cartography and Map Layout

Bank Details For Payment:

Demand Draft or NEFTs favoring 'Director, Tropical Forest Research Institute, Jabalpur'. payable at Jabalpur.

Name: Director, Tropical Forest Research Institute

Bank: Union Bank of India

Branch: TFRI, Neemkheda

Account number: 32570 201101 0998

Account type: Savings Ac

NEFT/IFSC Code: UBIN0564885

Course coordinator:

Dheeraj Gupta, Scientist-D

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WhatsApp No. 7587525086

Forest Ecology and Climate Change Division

ICFRE-Tropical Forest Research Institute (TFRI), Jabalpur-482021 (M.P.)

Training Fees: Rs. **3000**/- per trainees.

This includes training materials and a registration kit.

Boarding and lodging will cost extra in guest house of TFRI @ Rs. 250/- per day (including breakfast, lunch &dinner) and Rs. 448/- per day (same charge for single & double occupancy) respectively.

Total number of participants: 25 (on a first come and first serve basis)

Register here:

https://forms.gle/7JMGX2otfikFbmVB9

Note:

All participants are required to bring their own laptops to the training sessions. This ensures a personalized, hands-on experience with QGIS.