



The Geographical Information System Lab
ISO 9001:2015 Certified Company

www.tgis.co.in

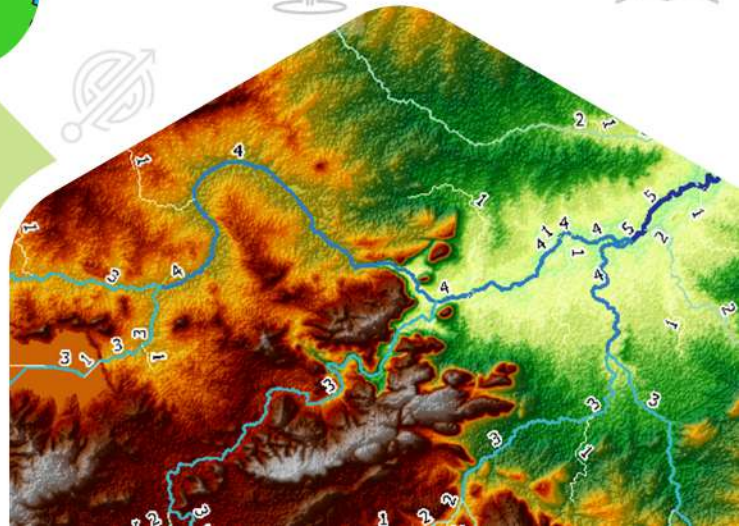
Leading Company of GIS Sector in India

1 MONTH QGIS FUNDAMENTALS COURSE

NOV 2025



www.tgis.co.in



WHY US?



100+

Trainings/
Workshops
Organised



10,000+
Participants
Trained



26+

International
Publications
with
Students



165+
Consultancy
Projects



36+
Countries
Covered

Module 1 | Day 1

15 Nov 2025 2 Hrs

Fundamentals of RS and GIS.

- Introduction to Remote Sensing (RS) and GIS.
- Use of RS/GIS in Earth Science applications.
- Overview/Installation of QGIS software.



Module 2 | Day 2

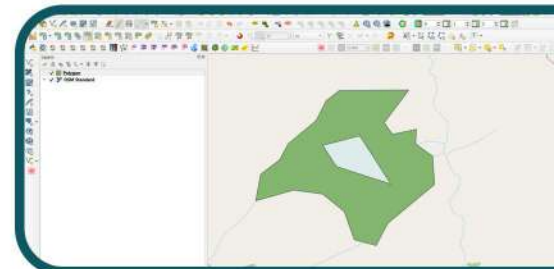
16 Nov 2025 2 Hrs

Georeferencing

- Georeferencing and its importance
- Practical demonstration of georeferencing raster data in QGIS.
- Hands-on exercises

Basics / Advanced Digitization

- Creating and editing new features with topology checks
- Tracing, snapping, Merge, split, rotate, mirror, etc.
- Practice sessions in QGIS to master in skills.



Module 3 | Day 3

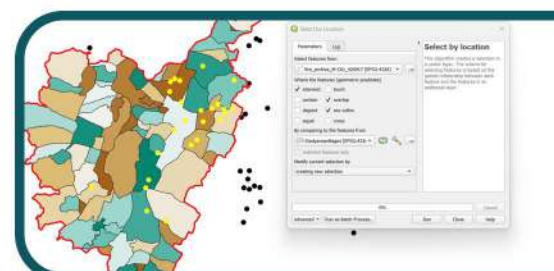
22 Nov 2025 2 Hrs

Proximity Analysis

- Demonstration and exercise of buffer creation & various proximity plugins

Attribute Data Handling and Spatial query

- Introduction to attribute data and database management
- Importing, exporting, and managing attribute tables
- Explanation of spatial queries and their significance
- Practice exercises on combining attribute and spatial queries (Live Data)



Module 4 | Day 4

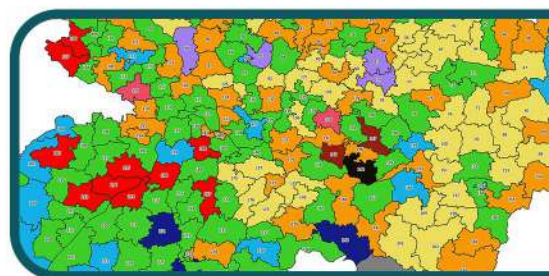
23 Nov 2025 2 Hrs

Techniques for Field Sampling

- Overview of field sampling techniques and their role in data collection
- Demonstrations on designing field sampling strategies using QGIS
- Hands-on exercises on creating sampling grids and random point generation
- Methods for importing/ exporting field data

Thematic Mapping (Map Diagrams and 2.5D)

- Creating thematic maps using different classification methods
- Introduction to map diagram/ pie chart and their visualization techniques
- Generating 2.5D maps to represent elevation or thematic data



Module 5 | Day 5

29 Nov 2025 2 Hrs

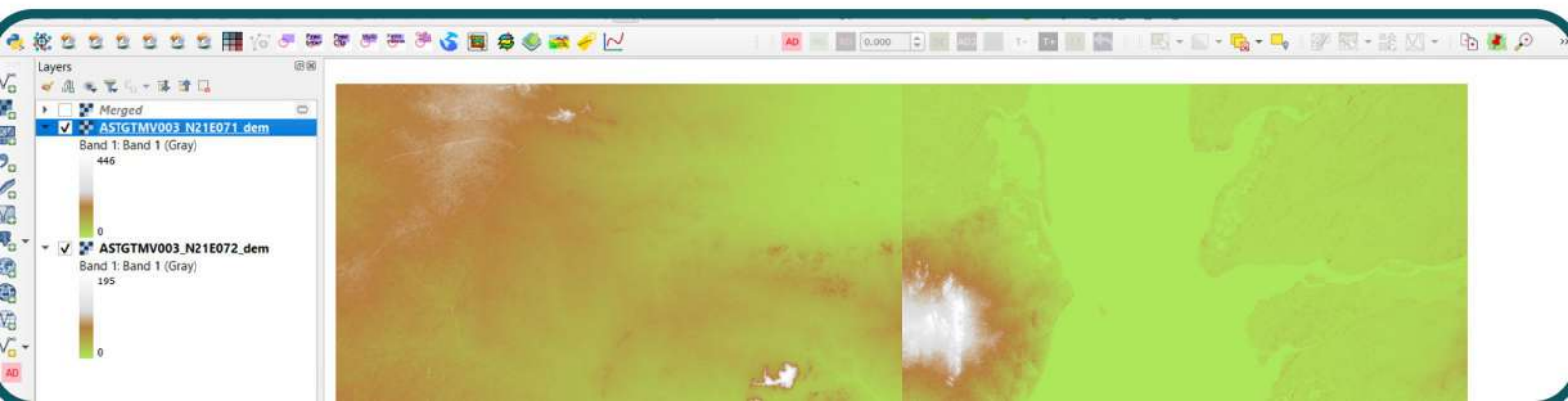
Satellite Data Platforms

- Overview of satellite data platforms and their applications for GIS applications.
- Accessing and importing satellite imagery from different platforms in QGIS.



Image Processing (Mosaicking, Clip, Layer Stacking)

- Techniques for image processing using QGIS tools
- Mosaicking multiple images, clipping to a specific area of interest, and layer stacking for analysis. Hands-on practice on image processing tasks
- using QGIS with Live Example.
- Computation and interpretation of indices such as NDVI, NDWI and NDBI.

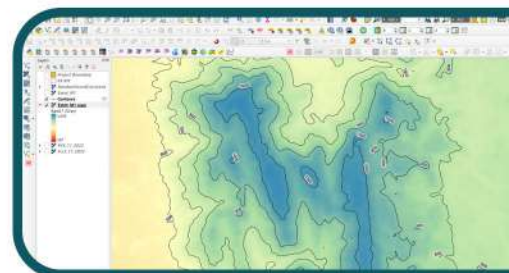


Module 6 | Day 6

📅 30 Nov 2025 ⌚ 2 Hrs

Topographical Analysis (Slope, Contour, Aspect, Elevation)

- Explaining topographical analysis and its significance in GIS.
- Calculating slope, contour lines, aspect, and elevation from digital elevation models (DEMs)
- Practical exercises on terrain analysis



Module 7 | Day 7

📅 6 Dec 2025 ⌚ 2 Hrs

Final Q & A Session on the QGIS Fundamentals

- Recap of key concepts covered throughout the course.
- Open floor for participants to ask any lingering questions or seek clarification
- Demonstrating solutions to specific queries or problems raised by participants.
- Encouraging participants to share their experiences and insights gained from this course.

*** 1 week training support will be provided after the last module.**

Who Can Participate

OPEN FOR ALL

Inclusion

- Live Demonstration • Step by Step Tutorial (PDF) • E-Certificate
- GIS Database (For Workshop) • Reading Material

Fees For First 10 Participants Is
2999 INR | 40 USD or 35 EURO
~~9999 INR | 130 USD | 155 EURO~~

Registration Link

www.tgis.co.in/upcoming-workshops

*Detailed Course Schedule and Joining Links shall be forwarded to the Paid Participants Only.

After 10 Participants Price Will Be

3999 INR | 50 USD | 45EURO

30 Seats Only

(*First come, First serve only)

Scan QR Or
Touch to Register





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Let's Connect Today!



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