

## WHO CAN JOIN THIS COURSE ?

- Any UG, PG, Diploma students
- Researchers, Engineering, Agriculture, Forestry and others
- No. of seats limited to 15

**Course Fee :** Rs.6000 (Including Food + Accommodation + GST)

Click here to register : <https://forms.gle/W6aRDuPDXE2ajVjD6>

## Faculties

### Anand Sebastian

Scientist & Head,  
Centre for Geoinformatics, IRTC  
PH:9605147047

### Rajan M

Project Scientist,  
Centre for Geoinformatics, IRTC  
PH:9496568829

### Vivek Asokan

GIS Analyst,  
Centre for Geoinformatics, IRTC  
Ph: 8129091831

4 Days  
Hands-on Training

From 20<sup>th</sup> - 23<sup>rd</sup> February 2024

# Fundamentals in GIS & REMOTE SENSING



Centre for Geoinformatics  
Natural Resource Management Division

## Reach us at

### Centre for Geoinformatics

Natural Resource Management Division  
Integrated Rural Technology Centre  
Mundur, Palakkad,678592  
Tel: 0491-28323224,2832663

Latitudes: 10°49' 453.79"N | Longitudes: 76°35'37.30"E



Integrated Rural Technology Centre  
Mundur, Palakkad, Kerala

## About IRTC

Integrated Rural Technology Centre (IRTC) is an independent research and development organisation. IRTC envisions the upliftment of the underprivileged sections of the society through knowledge, appropriate technology and skill transfer. Major areas of involvement of IRTC are Waste Management Energy Management, Local Development, Livelihood based activities, Natural Resource Management, GIS & Remote Sensing, Training, Consultancy and Product Development.



## About Centre for Geoinformatics

Centre for Geoinformatics in IRTC is an entrenched and well-equipped wing under Natural Resources Management Division with more than a decade of experience. A Web GIS based decision support system helps various stakeholders including Local Self Government Institutions for preparing action plans for soil and water conservation, improving agriculture productivity, livelihood support programmes, disaster management, climate change and creation of other durable assets. The centre delivers a vibrant research atmosphere for student internship, dissertation and consultancies for research scholars and government departments.

## Contact Us

Email: [gis@irtc.org.in](mailto:gis@irtc.org.in)

Website: [www.irtc.org.in](http://www.irtc.org.in)

## About Training

Geographic Information System (GIS) and Remote Sensing (RS) technology has predominantly changed our understanding of the world we live in and its varied features. Thematic map making is the fundamental purpose of remote sensing. Global Positioning System (GPS) is yet another innovation for identifying the location of any feature. Today, these three advances, Remote sensing, GIS and GPS comprise a ground-breaking blend known as Geoinformation Technology. This hands-on training exposes the participants to create, edit, visualize and analyse Geospatial Information and apply this learning to work on a vast range of projects where GIS technology is used.



## Course Content

### Course overview

- Introduction to Remote sensing and GIS Database theory
- Overview of QGIS, GIS interfaces
- Mapping concepts
- Spatial data models
- Google Earth Pro
- Digital Image Processing (FCC generation and LULC mapping using Visual Image Interpretation keys)
- Creating Resource maps (from satellite imageries and field data)
- Working with Open-Source Software (Qgis, Saga GIS)
- Applications of GPS & Geotagging
- Lecture notes & Tutorial videos