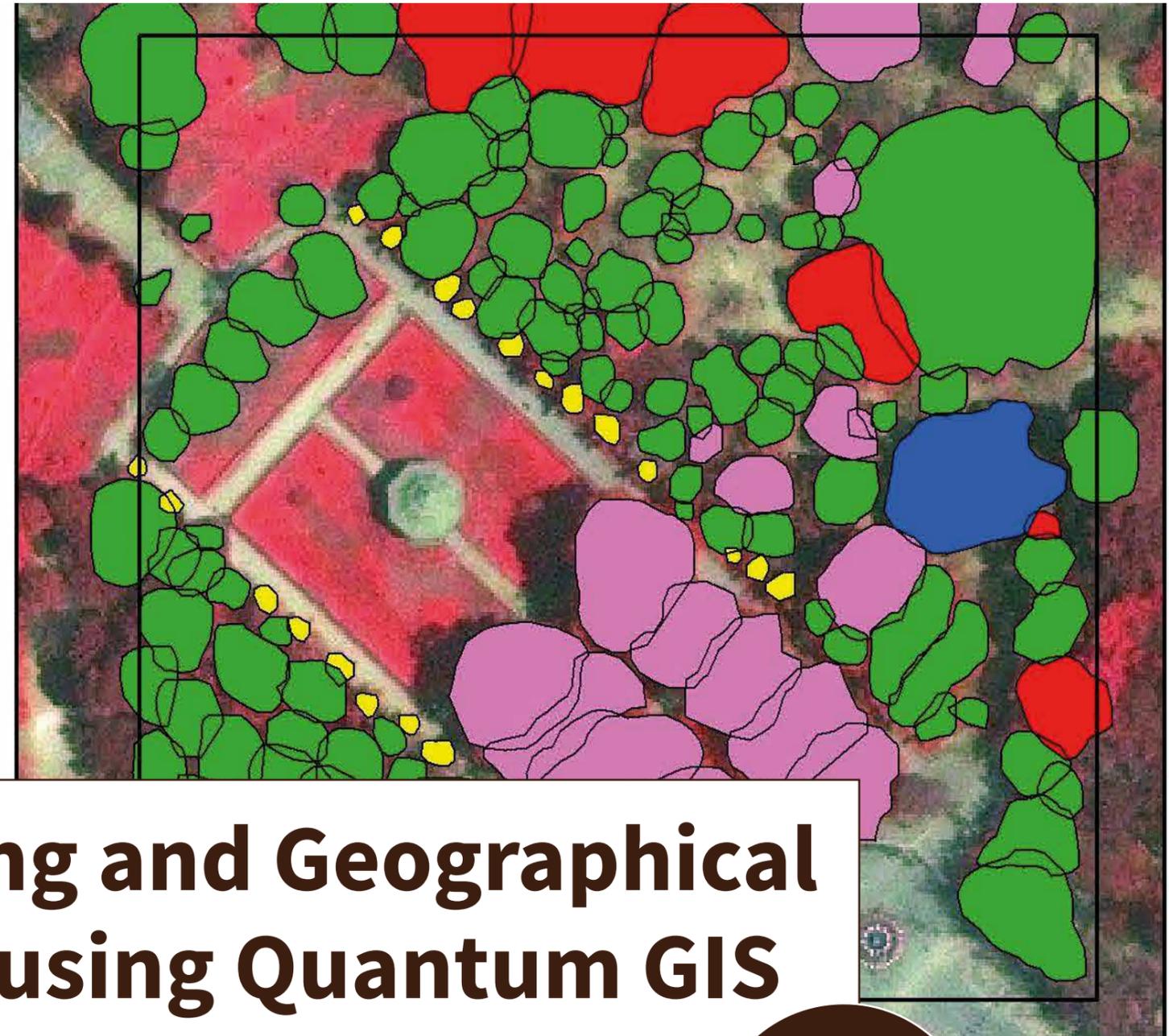
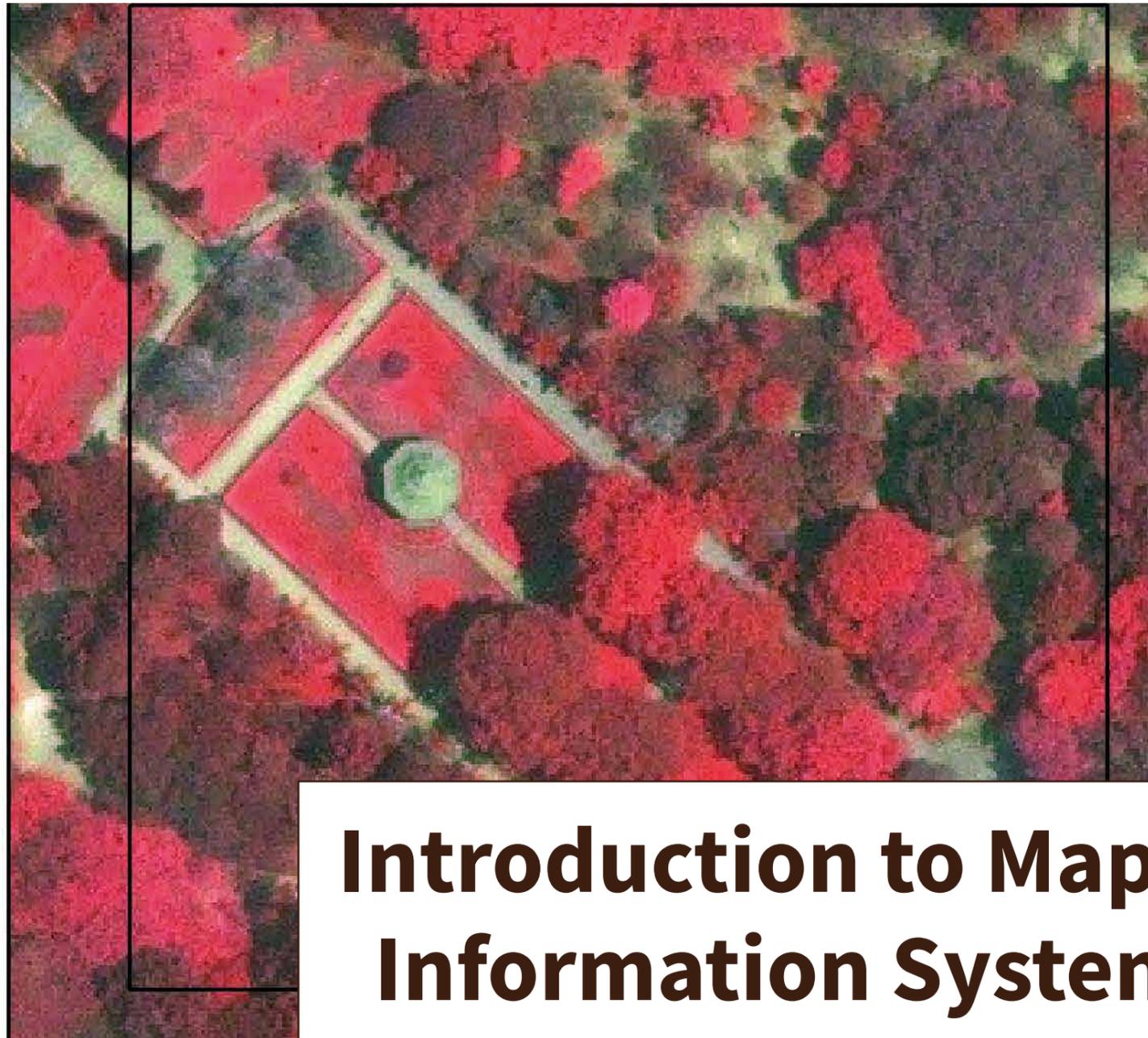


continuing education programme

December 19-23, 2022

*@WIPRO Learning Centre, WIPRO,
Doddakannelli, Sarjapur Road, Bengaluru*



Introduction to Mapping and Geographical Information Systems using Quantum GIS

Five days course for development, conservation and education practitioners

*Apply by
Dec 10, 2022*

Why this course?

In recent years, geographic information systems (GIS) and mapping techniques have become very important for understanding issues related to research and practice in development, education, conservation, policy and related areas. GIS is a highly sought-after methodology that development and conservation practice is increasingly putting to use.

This course aims to provide practitioners, educators, researchers, and others working in the areas mentioned above with basic mapping and GIS skills, via exposure to a free, open-source GIS platform (Quantum GIS) which is available to all.

What will you learn?

On successful completion of the course, participants will be able to:

- Understand the basic principles of Geographical Information Systems (GIS).
- Appreciate how GIS can help to understand issues related to broad areas of education, development and conservation.
- Gain familiarity with using Quantum GIS (QGIS) – a state-of-the-art free, open source GIS software.
- Create maps using GIS, and relate these to issues of conservation, development, and other areas of research and practice.

Who should attend?

Primarily aimed at development and conservation practitioners, from NGOs. In addition, educators, researchers and PhD students may find the course interesting.

Pedagogy

The course is intended to be hands-on, focused on learning via doing in the lab, on the computer. In-class exercise datasets will be used for initial practice. Participants will also work on individual locations of their choice for additional practice, relating in-class work to their area and themes of interest.

Certificate of Participation

The participants will be awarded a certificate of participation on successful completion of five days.

Session Details

Monday

December 19, 2022

- Registration and participant introductions
- Introduction to GIS, Raster and Vector data
- Exploring Google Earth Pro software and hands on activity
- Exploring QGIS software
- Working on individual projects

Tuesday

December 20, 2022

- Introduction to Geometric registration and hands on
- Introduction to Mapping, symbology and hands on
- Working with attribute tables, editing them, labelling and calculations
- Working on individual projects

Wednesday
December 21, 2022

- Creating a map using Map composer
- Raster and vector functions
- Working on individual projects

Thursday
December 22, 2022

- Working with DEMs
- Creating categorized maps, graduated colour maps, dot proportional maps, heatmaps and large datasets in excel and importing them to QGIS
- Working on individual projects

Friday
December 23, 2022

- Presentation of maps
- group discussion
- Closing session
- Wrap up, followed by written
- feedback and presentation of certificates

*Monday to Thursday – All the sessions will start at 9.30am and end by 5pm

* Friday – The session will start at 9.30am and end by 2pm

Course Directors



Harini Nagendra

Harini Nagendra teaches sustainability at Azim Premji University. She has over 30 years of experience working on remote sensing and GIS for research on ecology, conservation and urban sustainability. her research focuses on land cover change in forests and cities across South Asia as well as in other parts of the world. She has written over 150 research papers and supervised a number of PhD students working on these topics.



Enakshi Bhar

Enakshi Bhar is a Senior Lecturer and has been teaching at the University since 16 August 2016. Her work involves teaching and research in the field of Geographical Information Systems (GIS) for Sustainability, Mapping and Remote Sensing for Sustainability. She has 11 years of experience in the field of GIS and Remote Sensing.

Course Fee

General: Rs. 5,900/- (all taxes included).

- Field partner organisations of University: **Rs. 1,180/-** (all taxes included)
- Partial fee waivers available for deserving research scholars

The course fee does not include accommodation. The university can arrange accommodation for 06 days for additional payment of **Rs 6000/-** (all taxes included). Request for the same has to be made at time of application. Alternatively, participants can make their arrangements.

All other costs, such as travel to and from Bengaluru, local travel, stay, breakfast and dinner, must be borne by participants.

Note: This course will be conducted at the university computer lab, so the participants are not required to bring their laptops.

For more information, email at gis.ced@apu.edu.in

Azim Premji University

Azim Premji University was established as a not-for-profit, private university under the Azim Premji University Act 2010. The University has a clear social purpose of working towards a just, equitable, humane and sustainable society. Azim Premji University plays a critical role in developing new talent, building capacity in existing functionaries and creating domain knowledge in the fields of education and development. The Azim Premji Foundation is the sponsor of the University. The roots of Azim Premji University lie in the learning and experience of a decade of work in elementary education by Azim Premji Foundation. The University is one of the Foundation's key responses to the challenges confronting the education and development sectors in India. The University offers postgraduate degrees in Education, Development, Economics, Public Health, and an LLM in Law and Development. It also offers undergraduate degrees in social science (Economics, Social Science), science (Mathematics, Physics, Chemistry, and Biology), and the Humanities (English, History, and Philosophy); and a dual degree in science and teacher education. The University conducts more than 150 short courses for professionals every year, in the fields of education, development, policy, and governance across the country.



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