Centre for e-Learning
Kerala Agricultural University

Online training on

GIS BASICS IN QGIS SOFTWARE

Course content

Day 01 Introduction to geospatial data
- Installing QGIS and Introduction to GIS
- Spatial data model and data structures

Day 02 Spatial data creation
- Geo-referencing
- Creating vector data

Day 03 Geospatial data manipulation
- Datum and Projection
- Spatial Data and Non-spatial data editing

Day 04 Working with spatial data
- GIS data visualization and presentation
- Geo processing and GIS data analysis

Day 05 Map layout
- Making a GIS map layout and printing
- GIS data sources and new trends in GIS

13th - 17th July, 2026

2 PM - 5 PM

- **5 Days**
- **Basics of GIS**
- **Hands on Sessions**

COURSE FEE 1000/-

REGISTER HERE

SCAN TO REGISTER

Last date to register

10th July, 2026

For more details: **www.celkau.in**

+91 8547837256, 0487-2438567, 9495943875, 9895776730 celkau@gmail.com

ABOUT THE ORGANISING TEAM

CENTRE FOR e-LEARNING (CeL)

The Centre for e-Learning (CeL) under Kerala Agricultural University was established to provide a learning avenue for rural youth and working professionals by way of online courses such as Online Certificate Courses, Massive Open Online Courses (MOOCs) pertaining to agricultural technology. These courses offer continuous learning by utilizing the potential and prospects of Information and Communication Technology. The CeL of KAU also hosts an agricultural information technology portal (http://celkau.in/) which is useful for farmers, extension workers, students and all stakeholders in agriculture. Apart from these activities the Centre for e-Learning is organizing both paid and free online/offline trainings to scientific and technical professionals within and outside the country.

PURPOSE OF TRAINING PROGRAMME

This basic course on QGIS provides an introduction to Geographic Information Systems (GIS) concepts, including the principles of spatial data creation, management, and visualization. Participants learn about the fundamental concepts and terminology used in GIS, laying the foundation for further exploration. This course includes practical exercises and tutorials that allow participants to gain hands-on experience in using QGIS software. Through guided tutorials and assignments, participants will learn how to navigate the QGIS interface, import and manipulate spatial data and create maps. These skills are valuable in pursuing careers in fields such as urban planning, environmental management, agriculture, public health, and natural resource conservation.

.

Proficiency in GIS software, such as QGIS, is increasingly sought after in various industries and sectors. GIS professionals are in demand across diverse fields, including government agencies, environmental consulting firms, research institutions, and non-profit organizations. QGIS is open-source and freely available, making it accessible to individuals and organizations with limited financial resources without the need for expensive licenses or subscriptions. This democratization of GIS technology promotes broader access to spatial analysis tools and fosters innovation and collaboration within the GIS community. In nutshell, QGIS basic course offers a structured and comprehensive introduction to GIS concepts and software, equipping participants with valuable skills and knowledge for success in GIS-related careers and projects. Whether you are a student, professional, researcher, or hobbyist, a QGIS basic course can be a valuable investment in your personal and professional development.

WHAT YOU LEARN IN THIS COURSE

This course aims to introduce students to QGIS, a free and open-source desktop Geographic Information System software. Practical modules are designed to reinforce learning and provide hands-on experience with GIS concepts, data handling and map creation. Students will gain practical knowledge in creation and editing spatial information, working with spatial and non-spatial data sets. By the end of the course, students will have the skills to handle geospatial data effectively and create high-quality maps and products.

Resource Person

Dr. P. Radhakrishnan
Geospatial analyst and Consultant

Organizers

Dr. B. Ajithkumar
Director, CeL

Dr. Akhil Ajith
Institutional Co-ordinator, CeL