

Department of Geography – University of Colombo



Certificate Course in



Geographic Information Systems

Geographic Information Systems (GIS), Global Positioning Systems (GPS) and Remote Sensing (RS) are considered as the fastest growing disciplines in the present world. The Department of Geography, Faculty of Arts is one of the pioneers in this discipline in Sri Lanka. This course will consist of and integrated mix lectures and laboratory exercises using ArcGIS 10x and QGIS 2x software. Very comprehensive set of course materials (hard and soft) will be provided. GIS assisted problem solving operations and step by step procedures are demonstrated in manual format (sample can be obtained in the Department website).

Course Structure

This course will be conducted integrating both hands on and minds on experience with mix approach of both lectures and laboratory exercises.

Content

- Introduction and Overview of GIS.
- Data and Spatial Data Models.
- GIS Maps, Map Projections and Coordinate Systems.
- Introduction to Arc GIS Desktop.
- Managing Data with Arc Catalog
- Spatial Data Visualization & Making Maps.
- Digitization & Data Capture from Maps.
- Data base Concepts.
- GIS Data Collection & Mapping.
- Spatial Analysis
- Disaster related GIS Applications
- GPS
- Drone Survey

Medium of instructions :

English

Target Groups :

Applications are welcome from all the Professionals, Researchers , Technical officers working with or intending to work with GIS , RS

Duration : 60 Hours – 8 days
(Saturdays / Sundays)

Course Fee : 30,000 LKR
Registration fee : 1,500 LKR

To Apply Online

Discovering the world Through GIS

More information can be obtained from the

Department website : <https://arts.cmb.ac.lk/geo/index.php/gis/>

Application should be sent to : Coordinator,
Department of Geography, University of Colombo

Contact Details:

Mobile : 0716969353 / Office : 0112500458

Email : sandamali@geo.cmb.ac.lk



Application Deadline : 30th December 2022

Course Commencement : January 2023