

# GIS

Department of Geography – University of Colombo



## Diploma in Geographical Information Systems (GIS)

**Introduction:** Geographical Information Systems (GIS) can be identified as one of the emerging Geospatial technologies in the discipline of Geography which has been applied in a range of research, planning and development activities in the world. The integrated applications of GIS have often been intertwined with Remote Sensing (RS) and Global Positioning Systems (GPS) technologies as well. The requirement of GIS applications for the modern world has importantly been come to the fore, due to the ongoing climate change scenarios and the escalation of unexpected natural disasters. In this context, the primary objective of this program is to cultivate proficient GIS experts catering to both governmental and private domains. These experts will possess a profound mastery of GIS and its associated knowledge-base, adeptly applying them in various practical scenarios. It is envisaged that this diploma program will exert a substantial influence on the local landscape, significantly contributing to the trajectory of Sri Lanka's development. Comprising an exhaustive curriculum, the program entails an in-depth exploration of theoretical underpinnings complemented by hands-on training and laboratory practical sessions. These practical sessions involve the utilization of diverse software packages, meticulously aligned with the specified course contents.

### Content

- DGIS1101 - Fundamentals of GIS
- DGIS1102 - Cartography and Coordinate Systems
- DGIS1103 – Photogrammetry
- DGIS1104 - Global Positioning Systems
- DGIS1105 - Database Management
- DGIS1206 - Fundamentals of Disasters
- DGIS1207 - Statistics for Disaster Management
- DGIS1208 - Fundamentals of Remote Sensing
- DGIS1209 - Application of GIS & Remote Sensing in Disaster Management

### Admission requirements:

G.C. E. A/L, under any Subject scheme, or at least one year experience in relevant field

Application and all the details can be downloaded from: [the Faculty Website](#)

Application should be sent to :  
The Head, Department of Geography,  
University of Colombo.  
Contact: Coordinator

Contact Details:  
0714905614 (Dr. Ananda Y. Karunarathne /  
Coordinator), email: [anandageocmb@gmail.com](mailto:anandageocmb@gmail.com)

Medium of instructions :  
**English and Sinhala**

Target Groups :  
**University students, Government and private sector officials and Stakeholders**

Duration :  
**One year (Two Semesters/Weekend)**

Delivery Mode : **Online / Onsite (Dual)**

Course Fee : **80,000 LKR**

Application Fee: **1,500 LKR**

Registration fee : **2,500 LKR**

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**Closing Date of Applications: 31/08/2023. Course Commencement : September, 2023**