

How to Apply

The Application form and course brochure can be obtained from the department website <http://arts.cmb.ac.lk/geo/> or by contacting the course coordinator. Duly completed application forms must be sent to the Coordinator, Diploma in Geoinformatics, Department of geography, University of Colombo, Colombo 03 or email to the diplomagis@geo.cmb.ac.lk

Course Fee LKR 60,000

Application Fee	LKR 1000.00
Registration Fee	LKR 1000.00
Library Fee	LKR 1500.00
Examination Fee	LKR 1500.00

*Applications of GIS
are limited
only by the imagination
of those who use it.*

- Jack Dangermond -

Course duration

The course will be conducted under two semesters with in ONE year

**It is all about
space because
“a map is worth
than
thousand words”**

Course coordinator

Ms. C.M.K.N.K. Chandrasekara

Email: - kanchana@geo.cmb.ac.lk

Phone: - 0772947002

Assistant course coordinator

Mr. S.M.A.T. de S. Nandaseela

Email: - asitha@geo.cmb.ac.lk

Phone: - 0715867767

Department of Geography
University of Colombo.

Diploma in Geoinformatics

Department of Geography
University of Colombo



Introduction

Geographical Information Systems (GIS) and Remote Sensing (RS) have become one of the fastest growing disciplines as well as industries in the world today. Fields of application in GIS and RS are expanding at a fast rate mounting towards unreachable boundaries which we thought impossible few decades ago. With this multidisciplinary approach GIS and RS have become one of the best decision-support tools in many fields of study.

How good are you in GIS and RS? Do you want to gain more experience in GIS and RS? Are you willing to use GIS and RS as a decision support tool? Then here is a great opportunity for you!

Department of Geography, University of Colombo, having worked in the field of GIS and RS for a long time, has initiated this diploma programme for those engaged in and in need of advanced knowledge and experience in the field of GIS and RS. Catering to a national need at the moment, we hope that this programme will enhance the understanding about GIS and RS among decision makers of all public and private sector, simultaneously benefiting the process of sustainable development in the country.

Course Objectives

The main objective of the course is to enhance understanding and experience in the field of GIS and RS among all stakeholders of the decision making process in the country. Through proper guidance we hope that the participants will develop their skills on productive and accurate decisions making in any given scenario with the support of knowledge they have gained. Specific objectives of this programme are;

- ♦ To identify the theories, techniques and practical importance of GIS and RS under the different fields of application.
- ♦ To apply the theories and techniques of GIS and RS in decision making.
- ♦ To analyze and evaluate the approaches of practical applications and integrate the knowledge gained under the given field of study.

Entry Requirement

Participants should meet the following minimum entry requirements.

- ♦ A degree from a recognized university or any other equivalent qualification or professional qualification from a professional body; **OR**
- ♦ Three passes in G.C.E (Advanced Level) Examination with two years post qualifying work experience in the relevant field; **OR**
- ♦ Three passes in G.C.E (Advanced Level) Examination with one year Diploma in the relevant field; **OR**

- ♦ Six passes at the G.C.E (Ordinary Level) Examination or its equivalent and has sufficient practical experience with two years of post-qualifying work experience in a relevant field so determined by the Department; **OR**
- ♦ Possess professional qualification that will be recognized on a case by case basis by the University of Colombo, on the recommendation of the Department of Geography and the Faculty Board of the Faculty of Arts as equivalent to qualification specified in any paragraph of (ii), (iii) and (iv) above. **AND**
- ♦ Good knowledge of English

Course Units

First semester

DGIS 1001

Fundamentals of Geographical Information Systems (6 credits)

DGIS 1002

Cartography and coordinate systems (3 credits)

DGIS 1003

Photogrammetry (2 credits)

DGIS 1004

Global Positioning Systems (3 credits)

DGIS 1005

Database Management (2 credits)

Second Semester

DGIS 1006

Fundamentals of Remote Sensing (4 credits)

DGIS 1007

GIS Applications (4 credits)

DGIS 1008

Mini Project (6 credits)

A Mini Project of 5,000 words based on a field investigation, case study or desk research at the end of the course. The mini project should be submitted within one month from the last date of the final examination.

Application Deadline: 10th February 2018, Date of Commencement: - 10th March 2018