

GIS for Beginners

The course has been designed for those who have interested to learn basic knowledge in GIS.



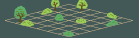
Introduction to GIS

Overall introduction to GIS with its capability and function in geographical data analysis, Data Modelling & Different types of data input to Data Input in GIS.



Displaying Spatial Information

Adding collected data into GIS environment and preparation of digital maps and map layouts for different purposes.



Data Georeferencing and Digitization

Transformation of image into local coordinate system with known control points and collecting data from georeferenced image using digitizing technology.



Data Analysis

Analysing of spatial and attributed data of a particular area and building up queries for decision making.



Preparation of Database

Preparation of Database to create individual GIS and doing spatial analysis with available tools.

Target Group

GIS users from Forest, Wildlife, Archaeological Departments & Land Use Planners, Decision makers, Policy developers, Head of the departments

About Us

Institute of Surveying and Mapping is dedicated to have its services to the nation since its inception. The formal training was started on 19th October 1896 at Colombo. Later the training school was shifted to present location at Diyatalawa on 1st March 1924. Over time, It was necessary to introduce new technologies such as Photogrammetry, Electromagnetic Distance Measurements, etc to improve survey standards. As a result, the training School was upgraded as Institute of Surveying and Mapping on 21st of February 1967 with the assistance of the United Nations Development Programme. Later Institute of Surveying and Mapping was incorporated under Parliamentary Act no. 21 of 1969. With the rapid development of the Land Surveying, Geo Informatics, Satellite Positioning, Remote Sensing, Soft Photogrammetry and Geographic Information Systems the Institute of Surveying & Mapping commenced the first Bachelor Degree Course in Surveying in the country empowered by the Gazette no. 620/4 issued by the Higher Education Ministry on 24th July 1990. So Institute of Surveying & Mapping has been serving to the nation as pioneering education in Geo-Informatics and Land Management. Our focal point is to be the best educational institute in Land Management and Geo-Informatics in the Asian region.

Prerequisite : Basic knowledge in software handling and database.

Medium : Sinhala

How to apply : Submit a application to Director (ISM), Institute of Surveying and Mapping, Diyatalawa

INSTITUTE OF SURVEYING & MAPPING DIYATALAWA

GIS for Beginners

Welcome to Institute of Surveying & Mapping, Diyatalawa (ISMD). ISMD is the first academic institute in Sri Lanka to award diplomas & Degree in Surveying and Mapping related field with all necessary facilities and with highly qualified, experienced and skilled professionals competent in teaching and thorough with the profession in various disciplines such as Geographic Information Systems (GIS), Remote Sensing (RS), Geodesy and Land Surveying etc





After completion of the course the participant are able to:

- Collection of spatial and non spatial data for development of GIS
- Preparation digital and hard copy maps as per the requirement
- Development of a GIS
- Analysis of spatial data

Course Evaluation : Practical tasks will be evaluated to measure performance

A certificate will be awarded at the end of the course

Number of Participants:
Minimum 20 participants
and maximum 30

CourseDuration	5 days
Time Period	08.00 am to 04.00 pm
Nature of the Course	Lectures & Practicals
Course fee per candidate	16000.00 (without Tax)



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Institute of Surveying and Mapping, Diyatalawa, Sri Lanka.



Experience
We Have More Than 200 Year Experience in the Field of Surveying and Mapping and Related Technology.



Technology
We Always Introduce Latest and Solid Technology for Surveying and Mapping That is Our Beauty.



Best Tutor
We Have Highly Qualified, Academically trained, Skilled Professionals.



Practical Training
We Are Providing Practical Training for Surveying and Mapping from Bottom to Top Level for Our Students

