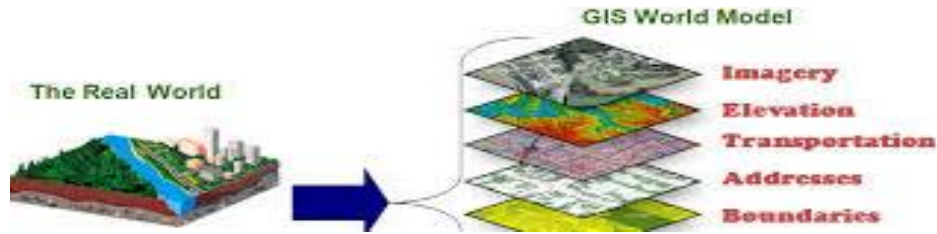


# Training on **Geographic Information System**



## GIS Training Rationale

GIS is constantly evolving with new strides made each day which improve the way we work with, view, store, and analysis and share geographic data in this digital age. As a result, it is, for most of us, difficult to keep up with the technology and continual updates in GIS. This training will help in building the capacity of working efficiently with the latest updates in geospatial technology.

## Training Objective

This training would provide the participants with a full understanding of GIS concepts and principles along with targeted applications.

## Training Highlights (Basic)

- Fundamentals of GIS
- Software Demonstration with its Basic Modules (ArcGIS)
- Spatial Referencing (Map Projection and Coordinate system)
- Digitizing, Editing and GIS Database Building
- Spatial Analysis (Basic Geoprocessing & Raster Analysis)
- Cross-platform GIS: Google Earth, KML files
- Working with maps, templates, and reports

## Training Highlights (Advanced)

**[Prerequisite:** Participants must have basic knowledge and understanding of fundamentals of GIS]

- Advance Spatial Referencing (Geographic Transformation)
- Geodatabase and Topology Building
- Advance Digitizing & Editing (working with ArcScan)
- Advance Spatial Analysis (Working with Spatial Analyst)
- Terrain Analysis (Working with 3D Analyst)
- Advance Labeling (Working with Spatial Maplex)
- Map series production tool (Data Driven Pages)

## Expected Participants

Professionals viz. Planner, Engineer, Architect, Geographer, Environmentalist, students, researchers and others who are working in the relevant sector especially applications of Geographical Information Systems (GIS) into everyday workflows

## Certification

Participants will receive certificates upon successful completion of the course.

## Course Duration

5 days from 9:00 am to 4:00 pm

## DATE & VENUE

**Basic :** 14-18 November 2021

**Advanced:** 05-09 December 2021

Bespoke: To be scheduled as per Clients' requirement

IWM Training Room, House# 06, Road # 3/C, Block # H, Sector # 15, Uttara, Dhaka 1230

## Course Fee

**Basic GIS:** Tk. 20,000.00 only per participant.

**Advanced GIS:** Tk. 20,000.00 only per participant.

## About the Organizer

Institute of Water Modelling (IWM) provides world-class services in the field of Water Modelling, Computational Hydraulics & Allied Sciences for improved integrated Water Resources Management. The applications of IWM modelling tools cover a wide range of water related areas such as: water resources planning, water supply and sanitation, flood control, flood forecasting, irrigation and drainage, river morphology, salinity and sediment transport, coastal hydraulics, port, coast and estuary management, environmental impact assessment, bridge hydraulics and related infrastructure, climate change and environmental impact assessment.

For more information visit: <http://www.iwmbd.org>



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