



**BIM
MANTRA**
ACADEMY

ARCMAP



Boost Your Career with Real-World GIS (ArcMap) Mastery



Contact Us

P: +91 9960613683 **E:** classes@bimmantra.com **W:** www.bimmantra.com
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MASTER'S IN GIS

REMOTE SENSING WITH ARCMAP

Discover the powerful capabilities of GIS & Remote Sensing with ArcMap for advanced geospatial analysis and environmental monitoring. Immerse yourself in the features of ArcMap for mapping, analysing, and visualising spatial data, while leveraging remote sensing techniques for effective data collection and interpretation. Learn to utilise these tools for environmental assessment, urban

WHY JOIN US

- Online/ Offline classroom program.
- Industry Expert Trainers with Interactive Q&A Sessions.
- Get Certified with 45 Days of Hands-On Experience.
- Work on Real-World Projects.
- Guaranteed 100% placement support.
- Guidance until Placement.
- Mock Interviews Preparation.

MODULES OFFERED

MODULE 1

Introduction of GIS

1. Coordinate systems
2. Software interface
3. ArcTool box
4. ArcCatalog

MODULE 2

Introduction to Google Earth Pro

1. Interface overview
2. Adding and editing placemarks (point features)
3. Drawing paths (line features)
4. Creating polygons
5. Measurement tools
6. Importing GIS data (e.g., shapefiles, CSV files)
7. Overlaying custom maps (image overlays)
8. Exporting KML files

MODULE 3

Georeferencing

1. Georeference toposheet
2. Georeference GE Image
3. Adding Control Points
4. Transformations
5. Adjusting and Checking Accuracy

MODULES OFFERED

MODULE 4

Create/ Modify Shapefile

1. Creating Shapefile
2. Editing Shapefile
3. Saving and exporting

MODULE 5

Create/ Modify Geodatabase

1. Creating Geodatabases
2. Adding Datasets
3. Editing Geodatabases
4. Topology

MODULE 6

Digitization

1. Creating Vector files and Data Collection
2. Snapping tool
3. Advance Digitization
4. Trace features

MODULE 7

Labelling

1. Labelling Features
2. Advanced Labelling Techniques

MODULES OFFERED

MODULE 8

Symbology

1. Basic Symbology
2. Classified Symbology
3. Proportional and Graduated Symbols
4. Pie / Bar charts

MODULE 9

Working With Attribute Table

1. Attribute Table Creation
2. Data types
3. Editing Attributes
4. Join Table

MODULE 10

Field Calculator

1. Automatic Field Update
2. Calculations of multiple fields
3. Field Data Handling

MODULE 11

Geometric Calculator

1. Calculating Areas and Lengths
2. extracting Lat Longs

MODULES OFFERED

MODULE 12

Querying

1. Attribute Queries
2. Spatial Queries
3. LOC Queries

MODULE 13

Geoprocessing

1. Clip
2. Buffer
3. Union
4. Dissolve

MODULE 14

Map Layout and Printing

1. Opening the Print Layout (Layout Manager)
2. Adding Map Elements to the Layout
3. Adding Other Layout Elements
4. Customising Layout
5. Exporting and Printing
6. Advanced Layouts

MODULE 1

Introduction to Remote sensing

1. What is remote sensing
2. Information about satellites
3. What are sensors
4. What are bands
5. Band combinations
6. Composite bands

MODULE 2

Introduction to USGS

1. Find ROI
2. Filter multiple dataset
3. Downloading DEM and Landsat data

MODULE 3

Working with DEM surface analysis

1. Slope
2. Aspect
3. Hillshade
4. Contour generation

MODULE 4

Hydrological analysis

1. Create streams
2. Create Basin
3. Define outlet
4. Create catchment

MODULE 5

Indices

1. NDVI
2. NDWI
3. SAVI

MODULE 6

Reclassify indices

1. Export water bodies
2. Export Vegetation etc.

MODULE 7

Classification

1. Supervised classification
2. Unsupervised classification

COURSE FEES

ArcMap, a key component of the Esri ArcGIS suite, is a widely-used tool for mapping and spatial analysis across various industries such as urban planning, environmental management, and geography. Enrolling in this course at BIM Mantra Academy provides students with in-depth, practical experience in using ArcMap to solve complex spatial problems, making them valuable assets in their respective fields.

At BIM Mantra Academy, the ArcMap course is carefully crafted by industry professionals to ensure the curriculum is current and relevant. With experienced instructors guiding students through real-world applications, participants gain not only technical proficiency but also insights into how ArcMap is used in professional settings, enhancing their job prospects.

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Master's in GIS & Remote Sensing with ArcMap	
DURATION	45 Days
COURSE FEES	INR 18,000

***Certification Upon Completion | 100% Placement Assistance**

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