



WILLPOWER

Technologies

ARC GIS

UNIT – I

1. Introduction to GIS concepts
2. Comparison between Arc and other drafting software's
3. Architecture of GIS model
4. Advantages of GIS model
5. Basics of coordinate system

UNIT - II

ARC CATALOG

1. What's in the Catalog?
2. Creating and explore GeoDatabase?
 - (a) Creating different FeatureClass.
 - (b) Creating datasets.
 - (c) Creating Fields, Subtypes and Domains
 - (d) Creating Geometric network.
 - (e) Creating Topology.
3. Connect to SDE GeoDatabase.

- (a) Direct Connection.
- (b) Indirect Connection.
- 4. The Contents, Preview and Metadata Tabs.
- 5. Exploring Data Types
 - (a) Define a shape file's coordinate system
 - (b) Modify attributes in dBase tables
 - (c) Calculate attribute values in Arc Catalog
 - (d) Importing Shape files.

UNIT - III

ARC MAP

1. Exploring data

- (a) Starting Arc Map
- (b) Opening an existing map document
- (c) Moving around the map
- (d) Displaying a layer
- (e) Changing the display symbol
- (f) Identifying a feature
- (g) Adding graphics
- (h) Laying out a map
- (i) Zooming in on the page
- (j) Inserting map elements

2. Working with geo graphic features

- (a) Changing the page layout
- (b) Creating a new data frame
- (c) Adding a data layer
- (d) Setting properties of the data frame
- (e) Copying a layer
- (f) Displaying features by category
- (g) Using a style

- (h) Selecting features geographically
- (i) Exporting a layer
- (j) Creating summary statistics
- (k) Opening a table
- (l) Making a graph

3. Working with tables

- (a) Creating a new data frame
- (b) Adding data from Arc Catalog
- (c) Adding tabular data
- (d) Joining tables
- (e) Adding a field to an attribute table
- (f) Calculating attribute values
- (g) Classifying features by quantity

4. Editing features

- (a) Exporting data
- (b) Creating a new feature
- (c) Setting snapping
- (d) Digitizing a feature
- (e) Adding attributes to new features

5. Working with selections

- (a) Create new Selection.
- (b) Add to Selection.
- (c) Remove from Selection.

6. Short Cut Keys while editing

- (a) Pan and Zoom.
- (b) Show Vertices.
- (c) Snapping options.
- (d) Sticky Tolerance.

(e) Toggle between entities.

7. Advanced Editing options

- (a) Extend and trim.
- (b) Copy and Merge.
- (c) Buffer and Explode.
- (d) Following Features.
- (e) Cut Polygon Features.

8. Network Utility Functions

- (a) Connect and Disconnect Features.
- (b) Traces (Connected & Disconnected).

9. Topology Functions

10. Working with map elements

- (a) Adding a background, titles, legends, and scale
- (b) Finishing the layout of the other data frames
- (c) Adding an extent rectangle
- (d) Adding drop shadows
- (e) Adding a neat line
- (f) Printing a map

11. Selections (Graphical, Location and Attribute)

- a) Create New Selection
- b) Add to Current selection
- c) Remove from Current Selection
- d) Select from Current selection

12. Relationships

- a) One to One
- b) One to Many
- c) Many to Many

UNIT - IV

ARC TOOLBOX

2. Exploring TOOLBOX

- (a) Import and Export
- (b) Assignments and reprojections.
- (c) Buffer Analysis
- (d) Create points along linear features.

- GIS CONCEPTS IN ALL DOMAINS
- AUTO CAD, MICRO STATION, MAP INFO, ARC GIS, ERDAS (IMAGE PROCESSING)
- REAL TIME PROJECTS
- Programming Languages
- AUTO LISP, ARX, MDL, ARC OBJECTS, ORACLE SPATIAL.

- *ENHANCE YOUR CAREER IN GIS
- *100% Job Assurance,
- *Interview Preparation,
- *Resume Designing

Jobs in

Tcs, Google, InfoTech, Mahindra Satyam, Magnasoft, Gensys, Rolta...etc

DURATION: 30DAYS FACULTY: KUMAR FEE: 4000/- With project: 5000/-
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