



# 3 Months Certificate Course on Arc GIS for Professional

Batch- 4 [Online]



## COURSE DETAILS

**Batch- 4**

**Who can Apply:** Students/ Faculties in any University/College/Research Institution/ officials

**No of Seats: 40**

**Mode of Class:** Online

**Class Timing:** Sunday & Wednesday [6.30-8.30PM]

**Special Classes:** Application based special classes will be taken by the personalities from other Govt. and industrial organizations

**Course Fees: 3500/-**

**Course Syllabus:** As per the industry format

**Certificate** will be issued on behalf of IIGST

**Last Date of Application:** 5 April, 2023

**Classes will commence from:** 8 April, 2023

**APPLICATION LINK & BANK DETAILS**

<https://bit.ly/3U5yoIH>

## MAJOR CONTENTS

1. Basics concept of GIS, Overview of ArcGIS, software, Data Input/Import, Geo-referencing: Shape files preparation, Point, Line, Polygon files, Editing, Error Correction. 2 Image Geo-referencing (image to image, image to ground), metadata editing, projection, Datum using. Image classification, Image split/cropping, Image Mosaicking, 3 Use of ArcGIS Tools, Spatial analysis. Vector Creation including Geo-database Design, Add XY data, external data attachment, create relationship, query. 4 Creation of Thematic map, Create annotation, Layout generation. Surface model and surface analysis: TIN/DEM creation, slope/aspect, hill shade, view shade. 5 Advanced Geospatial Analysis: Arc Scan- Automated R2V conversion, Geo-processing, Network analysis, Suitable site finding, shortest path analysis. 6 Identification of Spatial analyst tools: Density, distance, interpolation, map algebra, hydrology, re-class and surface toolset 7 Problem solving in ArcGIS work, 8. GIS project