








Title:	<h1>Diploma in Geoinformatics</h1> <p>ADVANCE LEVEL COURSE</p>	Why Khagolam: <ul style="list-style-type: none"> • Specialize and Dedicated institute to geospatial technologies • Job oriented curriculum • Comprehensive training material • 100% placement assistance • Professional Trainers • Exposure to live projects • Convenient batch timings • Exposure to 3D GIS • Practice aptitude and interview rounds • Library facility
Duration & Fees Structure:	<p>12 months (4 days a week, 3 hours a day)</p> <p>85,000 INR, for resident Nationals of India, Nepal, Bhutan, Bangladesh, Sri Lanka and Maldives, & Myanmar. 2500 USD, For Non-Residents of India</p> <p>Instalments:</p> <ul style="list-style-type: none"> 5,000 on registration 30,000 - before course start 20,000 - within one month 20,000 - within three month 10,000 - within forth month 	
Category:	Job Oriented Course / Value Addition Course	
Target Job Role:	<ul style="list-style-type: none"> ✚ LiDAR Engineer ✚ LiDAR Technician ✚ Photogrammetry Technician ✚ Remote Sensing Executive ✚ GIS and Remote Sensing Executive 	

	<ul style="list-style-type: none">  GIS Analyst  GIS Executive  GIS Engineer  GIS Operator
Prerequisites:	<ul style="list-style-type: none">  Knowledge of computers
Who Should Attend?	<ul style="list-style-type: none">  Any graduate score higher than 50%
Overview:	<p>Diploma in Geoinformatics course is uniquely designed, consist of multi-disciplinary modules with project work. Covers all required skills for GIS, Remote Sensing, LiDAR, Photogrammetry and python scripting for automation in industry for various sectors. Multi-disciplinary helps participant to switch and retain jobs for better future prospective. Emphasis more on industry required skills hence strengthen job opportunities. These technologies are employed in project like DILRMP and NUIS.</p> <p>A geographic information system (GIS) provides the ability to capture and analyze spatial and geographic data. GIS applications (or GIS apps) are computer-based tools that allow the user to create interactive queries (user-created searches), store and edit spatial and non-spatial data, analyze spatial information output, and visually share the results of these operations by presenting them as maps. You will learn how GIS utilized in various operations and numerous applications that relate to: engineering, planning, management, transport/logistics, and insurance, telecommunications, business, and location intelligence applications with GPS/GNSS.</p> <p>Remote sensing is the acquisition of information about an object or phenomenon without making physical contact with the object and thus in contrast to on-site observation, especially the Earth. Remote sensing is used in numerous fields, including geography, land surveying and most Earth science disciplines (for example, hydrology, ecology, meteorology, oceanography, glaciology, geology); it also has military, intelligence, commercial, economic, planning, and humanitarian applications. Course will teach you from fundamentals of Remote Sensing, pre and post processing, data sources, image classification, different indices and their interpretations.</p> <p>Photogrammetry is the science and technology of obtaining reliable information about physical objects and the environment through the process of recording, measuring and interpreting photographic images and patterns of electromagnetic radiant imagery and other phenomena. Photogrammetry is used in 3D City modelling, DEM creation, ortho-photo generations.</p> <p>LiDAR is a method for measuring distances (ranging) by illuminating the target with laser light and measuring the reflection with a sensor. Differences in laser return times and wavelengths can then be used to make digital 3-D representations of the target. It has terrestrial, airborne, and mobile applications.</p>

Advance Spatial Analysis, modelling and Scripting skills broaden user vision and allows to imagine automation scope in various GIS operations and productions work. Using python scripting user can also extract intelligence statistics for reporting or further uses.

You will learn:

Module Included:

1. Geographic Information System
2. Working with QGIS
3. Introduction to Surveying Technologies (GPS, Total Station, Drone)
4. Data Collection for GIS with GPS/GNSS
5. Working with AutoCAD
6. Working with AutoCAD Map 3D
7. Working with ArcGIS Desktop
8. Fundamentals of Remote Sensing
9. Working with ERDAS Imagine
10. Aerial Surveying and Photogrammetric Techniques
11. Digital Photogrammetry
12. 3D GIS, Feature Extraction
13. Working with Pix4D
14. MicroStation for Geospatial
15. Working with LiDAR Data
16. Advance Spatial Analysis
17. Geospatial programming with Python
18. Project work

Tools & Skills:

INDUSTRY TOOLS:

1. ArcGIS Desktop
2. AutoCAD
3. AutoCAD Map 3D
4. QGIS
5. GPS/GNSS Instrument
6. ArcPad
7. Google Earth Pro
8. ERDAS Imagine/ENVI – Remote Sensing
9. MicroStation
10. Terra Tools
11. LPS
12. ArcGIS – ArcPy
13. Pix4D

EMPLOYABLE SKILLS MEASURED:

1. Data modelling
2. Geo-referencing
3. Digitization
4. Topology, QA/QC
5. GIS Analysis
6. Symbology

7. Map Composition
8. Data Interoperability Data conversion from GIS to CAD, kml, kmz, shp
9. Batch geo-processing
10. WebGIS, Web Services for base maps
11. Mapping grade GPS handling (Trimble GPS)
12. GIS Data collection, validation by GPS with desire accuracy
13. Stake out with GPS
14. Technical domain vocabulary of any two GIS application
15. Remote Sensing Sensors, their characteristics and application
16. Explore and download remote sensing data from various sources
17. Panchromatic and multispectral image pre and post-processing
18. Electromagnetic Spectrum interaction with earth objects
19. Supervised and unsupervised image classification
20. NDVI analysis and interpretation
21. Aerial triangulation
22. DEM creation, break lines editing
23. 3D digitization and Feature Extraction
24. Point cloud classification
25. Point cloud editing for DEM, DSM smoothing
26. Drone Data post-processing
27. Python scripting for geoprocessing automation and productivity

Training Mode:

- Classroom - Instructor Lead
- ~~Online - Instructor Lead~~

How to Apply:

[Click here to know bank details and step by step registration process.](#)
[Register Online](#)

FAQ's:

Q: Dose fess includes accommodation and food
 A: No. but we can help you to get nearest accommodation

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