



<p>Title:</p>	<h1>Geospatial Technologies for Environment Management</h1>	<p>Why Khagolam:</p> <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
<p>Duration & Fees Structure:</p> <div data-bbox="113 1272 347 1420" style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>Refer your friend & Get</p> <h2>10% OFF</h2> <p><small>Valid for Selected courses and limited period.</small></p> </div> <div data-bbox="113 1447 347 1594" style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>Group Discount 20%</p> </div>	<p>80 hours (10 days)</p> <p>27,000 INR, for resident Nationals of India, Nepal, Bhutan, Bangladesh, Sri Lanka and Maldives, & Myanmar.</p> <p>850 USD, For Non-Residents of India</p> <p>Instalments:</p> <ul style="list-style-type: none"> 5,000 on registration 23,000 - before course start 	
<p>Category:</p>	<p>Job-Oriented Course / Value Addition Course</p>	
<p>Prerequisites:</p>	<ul style="list-style-type: none"> ✚ Basic knowledge of windows operating system ✚ Knowledge of Environmental Concepts 	

<p>Who Should Attend?</p>	<ul style="list-style-type: none"> ✚ Students of M. Sc or M. Tech in Environmental Science ✚ Biologists, geologists, conservationists, and other responsible for managing the environment increasingly rely on Geographic Information System (GIS) to even the odds
<p>Overview:</p>	<p>Earth environment is a single, vast interdependent system. We cannot make demands on the environment in one part of the world without creating consequences in another. Earth's increasingly complex environmental challenge demand increasingly sophisticated solutions. Geographic information system (GIS) is one solution to humanity's need to better manage. Protect and preserve our environment.</p> <p>Environmental GIS describes the use of geo-spatial management methodology and tools in order to assist in developing an Environmental Management strategy. As GIS applications reach a broader audience, and the utilization of GIS spreads into new industries every day, the demand within the private and public sectors continues to grow. GIS has become a primary means of communicating spatial information in a multitude of settings in environmental applications.</p> <p>In this class, you will learn about basic GIS concepts including spatial data structures, data sources and transfer methods, projections and coordinate systems, geo-referencing, fundamental of spatial analysis, with the hands on exercise in Open source GIS Tools. Course exercise specially emphasis on environmental case studies and related tasks. Concepts presented in lecture will be put into practice through hands-on laboratory exercises utilizing the GIS software product like: ArcGIS, QGIS, GRASS</p>
<p>You will learn:</p>	<p>After completing the course you will be able to:</p> <ul style="list-style-type: none"> ✚ Understand Map concepts, how GIS works, technical terms in GIS, common task in GIS ✚ Describe types of data model and its uses, difference between vector and raster, consideration of scale and generalization ✚ Give example on analysis unit and aggregation considerations ✚ Explain types of coordinate system, and their need ✚ Explain types of maps and their comparison, appropriateness to map variables for different application ✚ Describe use of thematic maps in planning and decision making ✚ Explain types of measurement scale and difference among them, use of scale specific theme ✚ Describe kinds of classification terms and data exploration terms ✚ Explain related geo-technologies like GPS, LiDAR, Remote Sensing etc ✚ Understand 3D mapping, mobile mapping and its advantage ✚ Understand map elements and consideration for effective map composition ✚ Understand database tables, importing exporting data from spreadsheets, text files etc ✚ Describe SQL querying language, and compose conditional quires ✚ Understand joining of the data based on a unique field, view statistics and groping data tables ✚ Explain procedure of geo-referencing, digitization and errors occurs while digitization

- ✚ Understand GIS data sources and formats from local, state and central government
- ✚ Define point to consider for data appropriateness, analyze the relevance and quality of the data, importance of metadata,
- ✚ Describe type of analysis can be perform in GIS, functions and their input, outputs
- ✚ Give example on how GIS can be used for problem solving
- ✚ Describe methods of Surface interpolation and its applications
- ✚ Perform above GIS tasks such as data modeling, geo-database creation, visualization, digitization, map clean up, topology, geo-referencing, data linking, symbology, geo- processing, overlay analysis and map composition in most popular GIS packages like ArcGIS Desktop or QuatamGIS

Case Studies Demonstrated on (any two):

- ✚ Biodiversity
- ✚ Pollution
- ✚ Coastal Zone Management
- ✚ Wetlands
- ✚ Change Detection
- ✚ Urban forest management
- ✚ Wildlife management
- ✚ Public Policy and regulation

Tools & Skills:

INDUSTRY TOOLS:

1. ArcGIS Desktop - Geostatistical Analyst, Spatial Analyst, 3D Analyst
2. Google Earth Pro

EMPLOYABLE SKILLS MEASURED:

3. Geo-referencing (Image to Image, Point to Image)
4. Digitization and Topology
5. Map composition
6. Data Exploration, Thematic map/report
7. Geo-coding
8. Table join and relate, import export tabular data
9. Data compilation from ETS, GPS, LiDAR, Satellite Images
10. Geostatistical Analysis, Spatial Analysis
11. 3D data creation and visualisation
12. Surface interpolation methods
13. Image processing technics and LULC classification
14. EIA in GIS

Training Mode:

- ✚ Classroom - Instructor Led
- ✚ Online - Instructor Led

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

Last updated on: 19 Sep 2020