



Title:	<h1>Working with LiDAR Data</h1>	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>40 hours</p> <p>18,000 INR, for resident Nationals of India, Nepal, Bhutan, Bangladesh, Sri Lanka and Maldives, & Myanmar.</p> <p>550 USD, For Non-Residents of India</p> <p>Instalments:</p> <p>5,000 on registration</p> <p>13,000 - before course start</p>	
Category:	<p>Job-Oriented Course / Value Addition Course</p>	
Prerequisites:	<ul style="list-style-type: none"> ✚ Knowledge of GIS concepts ✚ Know operating of MicroStation (refer our MicroStation Course) ✚ Understanding of isometric and orthographic views will add benefits 	
Who Should Attend?	<ul style="list-style-type: none"> ✚ GIS professionals ✚ Surveyors ✚ Anybody who interested to learn LiDAR technology and its applications 	
Overview:	<p>In India and Asian countries LiDAR technology is emerging and being employed extensively. LiDAR can be used for mapping urban areas, rapid surveys, building 3D city models, monitoring infrastructure projects, mining etc. Skilled map power on</p>	

LiDAR data processing has huge demand in India. LiDAR skills can be employed or has job opportunities in building construction, infrastructure development, archology, heritage preservation, agriculture and may other sectors.

This LiDAR training course on teaches the fundamentals concepts of LiDAR technologies along with hand on exercise on software tools. This includes Principles, Laser physics, Operation, Data formats, Modern trends, Applications, Error analysis, Data processing-concepts and issues, Information extraction, feature extraction, Integration with spectral data, 3D city model generation. Practical assignment covers data format conversion, visualisation, accuracies, point classification, error analysis, DEM generation, contour generation, feature extraction like building, powerline and trees, Integration of LiDAR.

You will learn:

After completing this class, users will be able to:

- ✚ Describe concepts of LiDAR data
- ✚ Enumerate various applications of LiDAR
- ✚ Describe the procedures of LiDAR data collection
- ✚ Describe accuracies and errors in LiDAR data
- ✚ Identify the feature information from LiDAR data
- ✚ Use feature interpretation and extraction technics
- ✚ Understand common problems in macro filtered ground, restoration methods, Noise removal methods, Usages of macros for ground editing
- ✚ Classify LiDAR data as per the ASPRS standards
- ✚ Identify, Classify and extraction feature like building, powerline, trees, water bodies, vegetation classification, bridge, culvert etc
- ✚ Create the surface model and edit the surface
- ✚ Create digital elevation, digital terrain models

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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