

<b>Course Title:</b>	<b>Introduction to GIS</b>
<b>Description:</b>	<p>A geographic information system (GIS) integrates hardware, software, and data for capturing, managing, analyzing, and displaying all forms of geographically referenced information. GIS have become a tool with widespread use in developmental applications. The power of a GIS can have a positive influence in community based planning and scientific decision making for developmental activities.</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, metadata, supporting software, global positioning systems, the integration of remote sensing and GIS, as well as fundamental spatial analysis techniques such as overlay, extraction, and interpolation. Concepts presented in lecture will be put into practice through hands-on laboratory exercises utilizing the GIS software product like: ArcGIS, AutoCAD Map, QGIS, GRASS and ERDAS This is GIS software training course.</p>
<b>Learning Objective:</b>	<p><b>After completing the course you will be able to:</b></p> <ul style="list-style-type: none"> <li>✚ Describe what is GIS? Why the data in GIS called geo referenced? GIS related domains.</li> <li>✚ Describe how GIS has being utilized in decision support system and real world applications.</li> <li>✚ Understand the basic concepts of geography necessary to efficiently and accurately use GIS technology.</li> <li>✚ Understand the data display and cartographical methods</li> <li>✚ Explore and visualize geo-database</li> <li>✚ Define datum and geographic, projected coordinate system and their types</li> <li>✚ Define and design the GIS data model such as vector, raster, TIN and attribute</li> <li>✚ Describe application of various data models</li> <li>✚ Define Spatial Data Infrastructure</li> <li>✚ Describe various source for data and data acquisition terminologies in GIS</li> <li>✚ Describe the topological relationship of spatial data</li> <li>✚ Understand source of error in data acquisition and FIX the error using GIS software tools</li> <li>✚ Make use of attribute query and spatial query in complex analysis contexts</li> <li>✚ Define vector, raster, network and surface analysis and their application</li> <li>✚ Describe what is GNSS, how it works and errors in GNSS?</li> <li>✚ Understand the concepts of Aerial surveying and how it works</li> <li>✚ Understand the concepts of Remote Sensing and how it works</li> <li>✚ Understand the technical language of GIS.</li> <li>✚ Understand the GIS career opportunities in current marketplace</li> <li>✚ Define the geospatial industrial workflows</li> <li>✚ Understand the open source and propriety GIS software vendors worldwide</li> </ul> <p>Perform various 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 10.0, AutoCAD Map 3D</p>
<b>Fees Structure:</b>	<p>25000.00 INR, for resident Nationals of India, Nepal, Bhutan, Bangladesh, Sri Lanka and Maldives, &amp; Myanmar.</p> <p>800 USD, For Non-Residents of India</p>
<b>Course Duration:</b>	3 months (140 Hours)
<b>Who Should Attends:</b>	✚ Any graduate
<b>Training Mode:</b>	<p>Online - Instructor Lead</p> <p>Classroom - Instructor Lead</p>

<b>Batch Capacity:</b>	10 Students
<b>How to Apply:</b>	<p>Interested candidates should submit the “<a href="#">Registration Form</a>’ along with registration fee of 5000.00 INR. Fee can be paid in cash or Demand Draft drawn in favor of ‘<i>Khagolam Institute of Geoinformatics</i>’ payable at Mumbai.</p> <p><a href="#">Click here to know bank details and step by step registration process.</a></p>
<b>For Further Information Contact Us:</b>	<p><b>Mumbai:</b> <b>Phone:</b> 0251 2319734   9892998947   <b>Email:</b> <a href="mailto:info@khagolam.com">info@khagolam.com</a> <b>Address:</b> <i>Khagolam Institute of Geoinformatics, 214, Siddyvinayak Sankul, Oakbag, Station Road, Kalyan (W), Maharashtra, India, 421301</i></p> <p><b>Pune:</b> <b>Phone:</b> 9967950747   <b>Email:</b> <a href="mailto:info.pune@khagolam.com">info.pune@khagolam.com</a> <b>Address:</b> <i>Khagolam Institute of Geoinformatics, Khagolam Institute of Geoinformatics, 206, Kedar Empire, Near Dashabhuj Ganapati, Karve Road, Pune 411004</i></p>