<table>
<thead>
<tr>
<th>Course Title:</th>
<th>Advanced Surveying with Total Station</th>
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<td>Description:</td>
<td>This course teaches you advanced surveying terminology with total station. Theory lecture explain the concepts of total station working mechanism followed by practical exercise, which helps to gain practical understanding and essential skill sets required for present surveying industry. This course is design for surveyors who want to upgrade their knowledge to advanced surveying terminologies. this course is also useful for fresh civil graduates / ITI surveyors to jump in real surveying industry directly. In this course you will gain sound practical skill which is highly demanded by surveying industries as well as conceptual knowledge of advanced surveying.</td>
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| Learning Objective: | After completing this course you will be able to:  
- Define the advantage and disadvantage of Total Station surveying  
- Define the vertical and horizontal angle measurement mechanism of Total Station instrument.  
- Understand Electronic Distance Measurement (EDM) principles  
- Define Rectangular vs Polar coordinate system measurements  
- Define How Total Station works, need of TS orientation.  
- Define open and close traversing terminology using TS  
- Define application of survey using TS  
- Perform topographical survey (plain table and contour survey)  
- Understand the stakeout concepts  
- Perform Stake out / Demarcation of Building Layouts / Plot Layouts / Roads / Alignments  
- Understand the various road survey application and terminologies.  
- Perform road surveys  
- Transfer or Establish Benchmarks  
- Measure remote distance and elevation using special function of TS  
- Solve trigonometric problems using COGO function on the field / Site  
- Perform onsite instrument calibration  
- Calculate 2D, 3D area on the field / Site  
- Calculate surface volume on the field / Site  
- Understand the survey work estimation factors  
- Define the procedure for download and upload data to TS  
- Define the TS data formats  
- Produce simple survey map using AutoCAD. |
| Who Should Attends: | Candidate should know fundamental concept of surveying and should have hands on experience on other surveying equipment like, theodolities, auto level etc.  
- Civil Engineers  
- I.T.I. Surveyors  
- Diploma Engineers  
- 2+ years of surveying industry experiences |
| Training Mode: | Classroom - Instructor Lead |
| Fees Structure: | 14000.00 INR, for resident Nationals of India, Nepal, Bhutan, Bangladesh, Sri Lanka and Maldives, & Myanmar.  
400 USD, For Non-Residents of India  
5000 INR shall be paid to confirm registration. Balance shall be paid before the course commence.  
Installment: NA |
| How to Apply: | Click here to know bank details and step by step registration process. |
| Course Duration: | 32 hour (4 Days full time) |
| Batch Capacity: | 4 Students |

**For Further Information Contact Us:**

**Dadar, Mumbai:**
- **Phone:** 989299 8626 | **Email:** info@khagolam.com
- **Address:** Khagolam Institute of Geoinformatics, Office No 5, 2nd Floor, Ghamat Terrace, Above Shagun Hotel, Opp Rly Station, Dadar West, Mumbai, Maharashtra 400028

**Kalyan, Mumbai:**
- **Phone:** 989299 8626 | **Email:** info@khagolam.com
- **Address:** Khagolam Institute of Geoinformatics, 201, Siddyvinayak Sankul, Oakbag, Station Road, Kalyan (W), Maharashtra, India, 421301

**Pune:**
- **Phone:** 989299 8521 | **Email:** info.pune@khagolam.com
- **Address:** Khagolam Institute of Geoinformatics, 206, Kedar Empire, Near Dashabhuja Ganapati, Karve Road, Pune 411038

**FAQ**