

## COURSE OVERVIEW

Total station is the single technological development that has had the highest impact on day-to-day practical surveying of all scales. Having already positioned itself as an inevitable friend of the surveyor, a total station can be used to measure angles, distances, coordinates and much more with excellent accuracy and better ease like never imagined before. The data can be directly imported to a computer and calculations can be carried out easily. However, the best results from using a total station is achievable only by knowing the best practices while using it. This course will be an introductory course for all who are enthusiastic to learn how to use the total station in the best ways in the field.

## COURSE CONTENTS

- ☑ Principles & methods of surveying using TS
- ☑ Surveying and data collection
- ☑ Traversing
- ☑ Height measurement
- ☑ Setting out (or) Stake out.
- ☑ Resection.
- ☑ Analysing data, Area calculations etc

Hands-on practice sessions in the field guided by expert professionals from ruby soft tech and staff of LMCST

## Who Can Attend?

Individuals enthusiastic to learn the basics of practical surveying using total station are welcome.

- ☑ Faculty of engineering colleges
- ☑ Working civil engineering professionals
- ☑ Technical staff from colleges, government institutions, other public or private firms.

## ABOUT LMCST

Lourdes Matha College of Science and Technology established by the "Lourdes Matha Catholic Educational Society" in 2002 and is affiliated to the University of Kerala and APJ Abdul Kalam Technological University.

The College has a spacious campus of 25 acres at Kuttichal, a rustic village in the outskirts of Thiruvananthapuram city. The scenic beauty and virgin surroundings of the picturesque lush green rubber plantations in the back drop of misty Western Ghats and the serene, tranquil hillock provide a perfect environment for harmonious study.

## ABOUT DEPARTMENT OF CIVIL ENGINEERING

Civil Engineering Department of LMCST sprung to life in 2013. This department is a vivid amalgamation of wise senior faculty members who have years of experience in both teaching as well as consultancy and young faculty members with fresh ideas and inspiring team work. This makes the department a stimulating environment for forming excellent budding engineering-minds potent to create the built environment for the future generations.

## ABOUT RUBY SOFT TECH

Established in the year 1993 in Trivandrum, Ruby Soft Tech is a government approved consultancy organization providing consultancy for Survey, Soil Investigation and Structural design. The organization has earned itself recognition through quality, consistency, reliability and competence.

With an impressive port folio that includes multi-storied buildings, commercial complexes, hotels, bridges, office complexes, educational institutions and residences, the organization provides total solutions to everything related to construction.

## REGISTRATION

Any interested individual meeting the aforementioned eligibility criteria can register by sending your details in the format prescribed overleaf to the mail id of the coordinators given in contact. You are welcome to contact the coordinators for enquiries.

## COURSE DETAILS & VENUE

Last date for registration : 23rd June 2017  
Intimation of selection : 26th June 2017  
(by mail)  
Date of Course : 28-29th June 2017  
Venue : LMCST, Kuttichal  
Course Fee\* : 2500/- INR

\*Course fee includes cost of field training, food, transportation by college bus etc.

