

TOTAL STATION

OVERVIEW -

A total station is an electronic/optical instrument used in modern surveying and building construction that uses electronic transit theodolite in conjunction with electronic distance meter (EDM). It is also integrated with microprocessor, electronic data collector and storage system.

Total stations are mainly used by land surveyors and civil engineers, either to record features as in topographic surveying or to set out features (such as roads, houses or boundaries). They are also used by archaeologists to record excavations and by police, crime scene investigators, private accident Reconstructionist and insurance companies to take measurements of scenes.

Date: 25th February 2020

Registration Fees:

- Single – Rs 200/-
- Double – Rs 350/-

DESCRIPTION –

In this workshop you will get to know about:

- Parts of set Total Station.
- Leveling the Total Station.
- Leveling the Total Station must be accomplished to sufficient accuracy otherwise the instrument will not report results.
- Leveling the instrument takes 30 to 45 minutes (make sure you can see all targets from the instrument station before going through the process).
- Step 1: Tripod Setup
- Step 2: Mount Instrument on Tripod
- Step 3: Focus on Survey Point
- Step 4: Leveling the Instrument
- Observe the survey point in the optical plummet and center the point by loosening the centering screw and sliding the entire instrument.
- After re-tightening the centering screw check to make sure the plate level bubble is level in several directions.

ADHYAAYA 2020



Government College
Of Engineering,
Nagpur.

- Each student will be allowed to handle the total station personally.

NOTE: Workshop will start sharp at 10:30 am

Coordinators:

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*** The participants will be provided with an E-certificate ***

Website: www.adhyaaya.org

