



# ADHI

COLLEGE OF ENGINEERING & TECHNOLOGY

## REPORT ON

### ONE DAY SHORT TERM COURSE OF

### “TOTAL STATION SURVEY”

The Department of **CIVIL ENGINEERING** organized oneday short term course on **TOTAL STATION SURVEY** for II,III, IV Yr students of civil engineering successfully on (04.09.2018)at Dr.Radhakrishnan seminar hall of ACET.

VENUE: College ground (ACET)  
DATE: 04.09.18  
TIME: 10.00AM to 3.00 PM

ORGANIZED BY,  
Department of CIVIL  
ACET  
SANKARAPURAM

#### **ABOUT THE WORKSHOP:**

The workshop starts at 10.00am with grand inaugural ceremony and Chief guest introduction was done with great honor at seminar hall. This workshop aims to provide the thorough knowledge in TOTAL STATION. Total station is the one of the advanced techniques in surveying which is most commonly used to analyze linear, angular and leveling measurements.

#### **ABOUT CHIEF GUEST:**

We start our program with thamizhthaivaazhthu. Our head of the department (Dr).P.Vasanthi gave introduction about the chief guest. Our chiefguest Mr. SELVAMinstitutional head of ALG INTERNATIONAL INSTITUTION(ALG – Arab land group) Chennai.He is the head of Chennai branch institution. ALG international institution have several branches at Qatar, oman, cochin, mallapuram and Chennai(neelangarai). The institution certified by IIT, ISO and approved by STED COUNCIL GOVERNMENT OF INDIA. It is a subdivision of well-established MNC'S.

#### **ABOUT THE SESSION:**

The session about Totalstation explained by chiefguest. He detailed about totalstation and it's technologies like as LIDAR,DGPS, GIS and etc.,

#### **TOTALSTATION:**

A Total station is an Electronic/ Optical instrument used in surveying and in building construction. The total station is an electronic theodolite integrated with an electronic distance measurement (EDM) to read slope distances from the instrument to a particular point, and an on-

board Computer to collect data and platform advanced co-ordinate-based calculations. It is mainly used by land surveyors, 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 archeologists to record excavations and by private accident and reconstructionists and insurance companies to take measurement of scenes.

#### DISCUSSED TOPICS:

- Advantages of total station
- Applications of total station
- Real time use in construction industry
- Hands on training about total station.

#### ADVANTAGES:

- Field work is carried out very fast.
- Accuracy of measurement is very high.
- Calculation of co-ordinate is very fast and accurate.

#### SEESION ON THE FIELD:

For the session students were divided into groups (10 students each) and each group performed the task to use total station in the ground at 11.00am to 2.30pm.

After practical work students learn to conclude all the practical work in a map using Auto plater and AutoCAD.



**WELCOME ADDRESSED BY EVENT CO-ORDINATOR  
Ms.T.ISHWARYA.,ME.,**



ADDRESS OF THE CHIEFGUEST BY HOD  
Mrs.P.VASANTHI.,ME.,(Phd)



EXPLANATION OF THE COURSE BY CHIEF GUEST Mr.SEELVAM  
INSTITUTIONAL HEAD OF ALG INSTITUTION, CHENNAI.





FIELD WORK SESSION