

# SRI ADITYA ENGINEERING COLLEGE

(Approved by AICTE & Affiliated to JNTUK, Kakinada)  
Aditya Nagar, ADB Road, Surampalem – 533437

## Department of Civil Engineering

Title of the Workshop/Seminar : A ONE DAY WORKSHOP ON "Area measurement by using total station"  
Resource Person : Dr. K.V.Jayakumar  
Professor, NIT Warangal.  
Date(s) of Workshop/Seminar : 16-10-2015  
Aim of Workshop : 1) Learn Function of Total station  
2) Applications in Total Station  
3) Instrument manufacturers

Brief Summary of purpose and aim of Workshop is to be written here

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. The instrument is used to measure sloping distance of object to the instrument, horizontal angles and vertical angles. This Microprocessor unit enables for computation of data collected to further calculate the horizontal distance, coordinates of a point and reduced level of point. Data collected from total station can be downloaded into computer/laptops for further processing of information.

### Program Schedule:

Date : 16-10-2015

Session 1: 9:30 -11:15

- Intro to Workshop
- Function of Total station
- Coordinates Measurements

Session 2: 11:15-11:30

- Tea Break

Session 3: 11:30-1:00

- Applications of Total station
- Mining ,Mechanical Applications

Session 4: 1:00-2:00

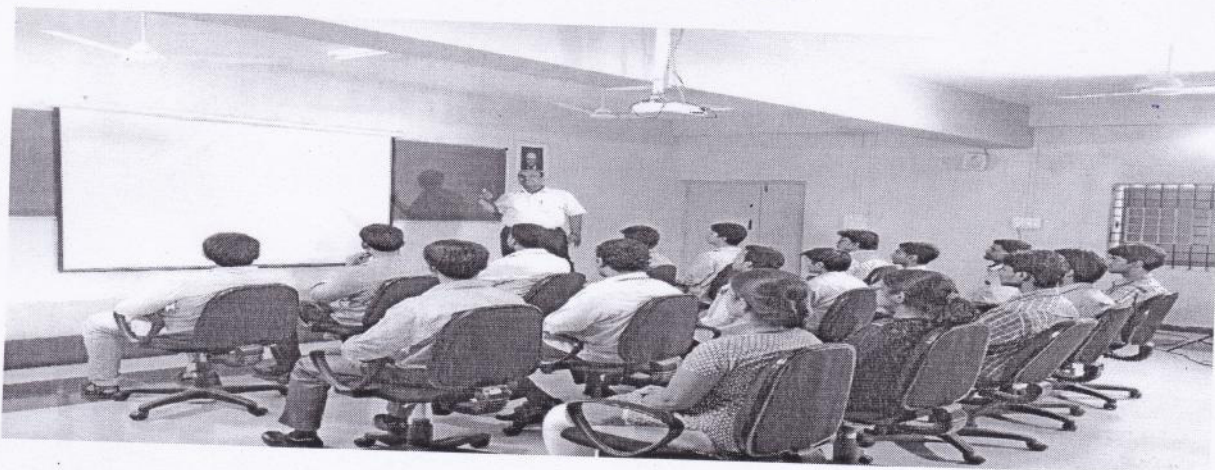
- Lunch

Session 5: 2:00-4:30

- Instrument manufacturers
- Visit to site
- Review on Workshop

No. of Participants :28

### PROGRAM PHOTOS



Overall Assessment : Good

Event Coordinators :

1. Mr.K. Pavan Kumar, Assistant professor , Dept. of civil engineering
2. Ms. K.Santhi, Assistant professor, Dept. of civil engineering

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