

# CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT, ODISHA Workshop

on

## "TOTAL STATIONS OPERATIONS" 7<sup>th</sup> to 11<sup>th</sup> March, 2022

#### **Resource Person:**

Dr. Prafulla Kumar Panda

Mr. Prabhakar Sabar

Mr. Sai

No. of Students and/or Faculty Participated: 29

#### **Detailed report of the activity:**

A Five Days Training on "Total Stations Operations" was organized by the Civil Engineering Department, Centurion University of Technology & Management, Paralakhemundi Campus, Odisha from 7th to 11th March, 2022 for the Civil Engineering Students. This Training session was organized by Dr. Prafulla Kumar Panda, HOD, Civil Engineering Department. Mr. Prabhakar and Mr. Sai disseminated the Training Sessions and Tutorials.

#### Objective and outcomes of the training

- To learn the basic concept of surveying and understand how total station works.
- To learn different parts of the total station as well as how to operate it.
- To learn surveying using total station, techniques and the real-world applications.
- To learn how to use related surveying software (Auto CAD, GIS) for data download and processing.
- To generate outputs and present the results in form of contours, surfaces etc.
- To have a clear understanding of the principles of surveying with a total station.
- To have theoretical and practical skills in working with different total station modes.
- To have an opportunity for trainers to share experiences of their specific work and roles

#### **Outcome**

Participants learnt how to use the total station instrument and understood that it is a small range instrument which is capable of adjusting itself to the level position. As per lecture the total station is designed for measuring of slant distances, horizontal and vertical angles and elevations in topographic and geodetic works, tachometric surveys, as well as for solution of application geodetic tasks.

#### **Photographs during the session Training Total Stations Operation:**









### List of Students/Faculty Attended **or** Scan Copy of Students Signature Sheet:

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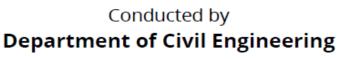
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#### **Brochure related to the event:**

### **A Training Total Station Operations**







Resource Persons

Dr. Prafulla Kumar Panda Mr. Prabhakar Sabar Mr. Sai



Dr. Prasanta Ku. Mohanty Dean Academic