

**GOVERNMENT ENGINEERING COLLEGE, VALSAD**  
**CIVIL ENGINEERING DEPARTMENT**

A DETAIL REPORT  
ON  
**Tacheometry Survey Project**  
**(Surveying)**

Place of Visit :  
**Hilly Region of**  
**Saputara**

**DATE : 28/02/2020 & 29/02/2020**

## **DETAILS OF FIELD PROJECT :**

Place of visit : Tacheometry Survey Project at Saputara  
Date of visit : 28/02/2020 & 29/02/2020  
Name of department : Civil Engineering Department  
Semester : 04 (Civil )  
Subject : Surveying (3140601)  
Number of students : 66 students

## **OBJECTIVES :**

1. The main objective of this Field Project is to plot a contour map using Tacheometer.

## **FIELD PROJECT DISCRPTION :**

The Civil Engineering Department has organized a Tacheometry survey project at Saputara . This Field project was organized for the students of semester 04 of Civil Engineering Department. The Field project was organized on 28/02/2020 to 29/02/2020 & total 66 students of Semester-04 of Civil Engineering Department were present at Project Site. Two faculty members of Civil Engineering Department - Prof. Hemanshu K. Rana & Prof. S.H. Mistry were Join the students at Project site.

Tacheometry Survey project is a part of termwork/fieldwork of Subject-Surveying. This method used to plot a contour map of the Ground Surface. Prof. Hemanshu K. Rana has explained process of Tacheometry Survey which includes Reading Taken with the help of Tacheometer, Calculation of Horizontal Distance, Vertical Components and Determination Reduced Level of staff stations. Prof. S.H.Mistry also explained How to plot contour map from the result obtained. This project will be help to students in future to carry out survey work and plot the contour map of given land area .



**Visit Coordinator : Prof. H. K. Rana**

**HOD Civil : Prof. D.J. Patel**