



PRAKASAM
ENGINEERING COLLEGE

Department of CIVIL

Summary Sheet of Value added Courses Conducted

ACADEMIC YEAR 2021-22

S. No	Name of the Event	Type of the Event	Course Code	Number of Hours	Number of Students Enrolled
1	Total station surveying	Value added course	2021-22/PEC/CIVIL/VAC05	30 Hrs	72



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PRAKASAM
ENGINEERING COLLEGE

Value added course

Document ID:	2021-22/PEC/CIVIL/VAC05	Document Name:	Report
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Course Summary Report

Virtual value added-courses in "VAC05-Total station surveying" were organized organized by the Department of Civil engineering at prakasam engineering college from December 14 to December 18, 2021. The total period of course is 30 hours. Totally, 72 students have enrolled of this course and participated during the course. The institutes Principal, Dr. Ch. Ravi kumar appreciated the Departments efforts and congratulated the student for participating. Thanks to entire faculty and co-coordinator, the event was success

Students in the course obtained the following outcomes:

- To finish a project starting right from project planning, Scheduling, Allocating resources and monitoring and control.
- Ability to use the various Accessories instruments and known its application and limitation

T. Meenakshi
Co-ordinator

J. Meenakshi
HOD

J. Meenakshi
Principal

PRINCIPAL
PRAKASAM ENGINEERING COLLEGE
KANIGIRI ROAD
KANDUKUR-523 105
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CHIEF PATRON
Dr.K.Ramaiah
Secretary & Correspondant
Prakasam Engineering college, Kandukur.

PATRON
Dr.CH.Ravi Kumar M.Tech.,Ph.D.
Principal
Prakasam Engineering college, Kandukur.

CONVENER
Dr.R.V.S RAGHAVA SARMA M.Tech.,Ph.D.
Head of Department
Department of CIVIL Engineering
Prakasam Engineering college Kandukur

Co-Ordinator

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Mr. M, C, C Varthy M.Tech.
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Assistant Professor
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PRAKASAM
ENGINEERING COLLEGE

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Value Added Course

on

VAC05 – TOTAL STATION

14-12-2021 to 18-12-2021

Organized by
CIVIL Engineering.



venue: B2/F2/13/SEMINAR-1

For any deals, please contact

Course in-charge
Mr.M.C.C Varthy
Assistant Professor
9848837110

COURSE OBJECTIVES

To provide knowledge of Total Station & advanced surveying instruments. Develop skills in using Total Station & advanced surveying instruments and analyse data. Develop skills to set out Curves in the field using both Total Station and Theodolite. Develop skills to conduct traverse survey & to find the area

COURSE OUT COME (COS)

At the end of the course, Student can able to

- 1. Use total station in the field of civil engineering land survey
- 2. Summarize the basic principles of GPS and GIS in civil engineering.
- 3. Manage the suggested or identified constructional problems, solve in teams, in order to improve future problem solving ability and able to present it

EMINANT SPEAKER

Dr. G Janardhana rao
Assistant Professor
S.S.N Engineering College

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CONTENT

Methods of measuring distance, basic principles of total station, historical development, classifications, applications and comparison with conventional surveying.

Total station

Introduction

Parts of total station

Accuracy & errors

Topographic survey

Control & offset survey

Contour survey

Building marking

Angle & distance measurement

Calculation of area

Measurement of volume

Road survey

Hands on Training

Spot level, Instrument setup, Distance measurement

Field procedure using co-ordinates,

Data extraction from total station



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