

**5 DAY FDP ON
TOTAL STATION SURVEYING
14 - 18 MARCH 2022
REGISTRATION FORM
(Sponsored by TEQIP-Phase II)**

Name :
Gender : Male / Female
Designation :
Qualification :
Office Address :

Mobile No. :
Email :
Diet : Veg / Non-Veg

The information furnished above is true to my knowledge and belief. If selected I shall attend the course for the entire duration. I also take the responsibility to inform the coordinator well in advance in case I am unable to attend the course.

Place :
Date : Signature of the Applicant

Sponsorship Certificate

Mr. / Mrs. _____ is hereby sponsored to attend the FDP on "**Total Station Surveying**" conducted at Govt. Engineering College Idukki. If selected he/she will be permitted to attend the programme for the entire duration.

Signature of Sponsoring authority
Designation :
Date:

Office Seal

CONTACT DETAILS

Coordinator
Mrs. Liyamol Isen
Assistant Professor in Civil Engg.
Mob: 9526131109

Co-Coordinator
Mr. Jithin Prem S.
Assistant Professor in Civil Engg.
Mob: 8086690230

Technical Assistant
Mrs. Sethuparvathi P. S.
Tradesman (Civil)
Mob: 9961138466

IMPORTANT DATES

Last date for receiving application

09 March 2022

Date of confirmation

10 March 2022

Workshop Dates

14 - 18 March 2022

Apply through

<https://forms.gle/QuSc9fudAqnpt8u37>

For more information, please visit

<https://www.gecidukki.ac.in/>



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<https://maps.app.goo.gl/m7uBuTQXrFgYwMWu6>



**GOVERNMENT ENGINEERING COLLEGE
IDUKKI**

Painave, Idukki, Kerala - 685603
Approved by AICTE
(Affiliated to APJ Abdul Kalam
Technological University)

5 Day Faculty Development Program (FDP)

On

TOTAL STATION SURVEYING

14 - 18 March 2022

Sponsored By,

TEQIP - Phase II



Coordinator

Mrs. Liyamol Isen

Co-Coordinator

Mr. Jithin Prem S

Organized By

DEPARTMENT OF MECHANICAL ENGINEERING

ABOUT GEC IDUKKI

Government Engineering College, Idukki (GECI), was established in the year 2000 under the Directorate of Technical Education, Government of Kerala. College is currently affiliated to APJ Abdul Kalam Technological University and is approved by the AICTE, New Delhi. College offers five UG programmes and four PG programmes in Engineering.

The scenic 25-acre campus is located at Kuyilimala, Painavu, headquarters of Idukki district. The campus is situated near state highway, SH-55 from Thodupuzha to Kattapana. The cool and picturesque environs of the Idukki wildlife sanctuary located in close proximity to the campus is ideal for stay and indulge. The Idukki Dam is just 7 km from the campus. The temperatures are highest in May at around 25 degree celcius and December has the lowest average temperature of around 20 degree celcius.

ABOUT MECHANICAL ENGINEERING DEPARTMENT

Department of Mechanical Engineering came into being in the year 2013 and the first batch of mechanical engineers passed out in 2017. Department is proud to produce competent mechanical engineers to serve the nation every year with technical expertise along with social commitment. Department is able to provide high end teaching with well qualified faculties from Mechanical Engineering and Civil Engineering and experienced technical staff to handle laboratories/workshops with latest equipments like 3D printer, CNC, Total Station etc. Iso the department schedule and organizes workshops/training programmes to keep faculty as well as students updated with the current industrial / academic scenario. .

ABOUT THE COURSE

Total station is an electronic/optical instrument used in modern surveying and building construction which 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, horizontal angles and vertical angles to the instrument. Microprocessor in the instrument use the data collected to further calculate the horizontal distance, coordinates of a point and reduced level of the point. Data collected from total station can be downloaded into computer/laptops for further processing of information.

Total stations are mainly used by land surveyors and 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 archaeologists to record excavations and by police, crime scene investigators, private accident Re constructionist and insurance companies to take measurements of scenes.

This program will be helpful for the students and faculty members from the civil engineering stream and also for the faculty members of other streams who are interested in modern surveying

Major Topics Covered are: .

1. Study of Total station and its accessories
2. Centering and Leveling
3. Distance, angle, level and coordinate Measurements.
4. Station setup methods –Angle, co-ordinate, Resection Method

5. Closed Traversing
6. Topographical Survey
7. Contour survey
8. Pile / column set out- COLUMN CREATION -MARKING
9. Line offset
10. Area Calculatin
11. MLM (Missing Line Measurements)
12. REM (Remote Elevation Measurements)
13. COGO (Coordinate Geometry)
14. Introduction to ROBOTIC TOTAL STATION
15. Introduction to GPS & DGPS

WHO CAN APPLY

Faculty and Staff from Govt./ Govt. Aided/ Self- Financing engineering colleges/ polytechnics/ technical high school / other institutions and other Govt. Departments and organizations can apply for the course. There are only limited seats and the allotment will be on first come first served basis.

REGISTRATION FEE

No registration fee required

TA/DA, FOOD & ACCOMMODATION

Working lunch, tea and snacks will be provided for all participants during the days of the programme. No. TA/DA will be provided to the participants. Accommodation facilities shall be arranged on payment basis for the needy.

HOW TO APPLY

Upload completed registration forms duly signed by the head of the institution through the following google form link.

<https://forms.gle/QuSc9fudAqnpt8u37>