

REGISTRATION FORM

Name.....

Gender:

Department:.....

Year of Study.....

Name of Institution :

.....

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Contact No. :

Email :

Transaction ID/Reference No.....

Declaration

I hereby affirm that above mentioned information is true to the best of my knowledge and belief. I shall abide by the rules and regulations governing the training programme.

Signature of Participant:

Signature of HOD:.....

College Seal:

Resource Persons

Experts and Professionals with proven experience in handling Total Station and GIS projects

Who can participate?

This workshop is designed for B.Tech final year/ pre-final year students and Diploma final year students studying in approved engineering colleges/polytechnics in Kerala.

Course fee

The number of participants is limited to 60.Registrations will be done on first come first serve basis. Registration fee per participant is Rs.800/-.

Payment can be made online through NEFT to the following account no.

Account Name: HEAD OF DEPARTMENT OF CIVIL ENGINEERING

Account Number: 10120100357023

Bank : The Federal Bank Ltd.,Kalamassery

IFSC Code :FDRL0001012

To apply

Completed registration form along with the reference number and transaction ID of the online payment should be sent to hod.ce@aisat.ac.in

Coordinator

Prof. Liji Anna Mathew

Joint Coordinators

Prof. Sheeja M K 9446488405

Prof. Saranya Das K 9539642135

**Last date for
registration :25.01.2020**

WORKSHOP ON ADVANCED SURVEYING WITH TOTAL STATION & GIS

27th -29th January,2020



Organized By

DEPARTMENT OF CIVIL ENGINEERING

Albertian Institute of Science & Technology

(AISAT) – Technical Campus,

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Cochin University P. O.

Kochi – 6820 22 Kerala, INDIA

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About AISAT

AISAT is a leading educational institution offering quality education in the field of engineering. The institution is spread over a picturesque area of 12 acres in a beautiful and serene atmosphere ideally suited for technical education. AISAT has a well-structured infrastructure of international standards to help the students to creatively apply scientific principles to design or develop structures and machines. AISAT fosters all round development of a student by incorporating major genres of education like reasoning, psychomotor and emotional learning to socialize students to become useful members of the society.

Department of Civil Engineering

The Department of Civil Engineering is continually upgrading in terms of academic programs and research infrastructure to “produce engineers and not engineering graduates”. Department also offers M.Tech in Geomechanics & Structures with the view to produce post graduates proficient in both Geotechnical and Structural engineering. The department has made MOUs with professional societies like IGS, GRACE, APS, ICI, etc.- a feature which very few have achieved in Kerala. Department has established several competitions like AISAT-IGS award for best M-Tech thesis in Geotechnical Engineering, AISAT-GRACE award for the best B.Tech thesis in Civil Engineering, annual best paper presentation contest, Tech fest etc. To foster the technical as well as professional skills of the students, internship training, software training, meet your elders in the profession, seminars and workshops are conducted frequently.

About the workshop

Total Station and GIS applications are the most widely preferred modern surveying instrument/tools in the civil engineering industry. Total Station based systems provide the highest possible degree of accuracy for site positioning, stake out, grade checking and measurement.

GIS applications are tools that allow users to create interactive queries (user-created searches), analyze spatial information, edit data in maps, and present the results of all these operations. It is attached to many operations and has many applications related to engineering, planning, management, transport/logistics, insurance, telecommunications and business.

Course Objective

To equip the participants with the concepts of total station and GIS working mechanism followed by practical exercise, to gain practical understanding and essential skill sets required for present surveying industry.

Learning outcomes

On completion of this workshop, the participant will be able to

- ◆ equip with the basics of Total Station and GIS.
- ◆ carry out a topographical survey using Total Station and preparation of maps.
- ◆ conceptualize a project geospatially.

Details of the workshop

The three days workshop on Advanced Surveying with Total Station and GIS intend to cover the following topics:

- Basics of Total Station
- Total Station Traverse
- Column marking (Stake out)
- Topographical survey
- Area Calculation
- Height Calculation
- Data transfer
- Mapping
- Basics of remote sensing and GIS
- Data imparting and Georeferences

Course Highlights

- * Beneficial for students to carry out survey camps as part of KTU curriculum.
- * Total station will be provided for hands on training.
- * Certificate of participation will be provided upon successful completion of the workshop.
- * Light refreshments will be provided to all participants.
- * Attractive prizes to best performing students.