



Two weeks certificate course on  
**INTEGRATED SURVEYING**

(Feb. 10-21, 2025)



At  
**Greater Noida Extension  
Centre of IIT Roorkee,  
Plot no 20, Knowledge Park II,  
Greater Noida-201310, UP**

Organised by  
**Geospatial Engineering Group,  
Civil Engineering Department  
Indian Institute of Technology Roorkee, Roorkee  
247667, Uttarakhand**

Under the aegis of  
**Continuing Education Center, IIT Roorkee**

In co-ordination with  
**Britek Instruments Pvt Ltd, Noida**

## About IIT Roorkee

*Indian Institute of Technology Roorkee (IIT Roorkee) is among the foremost of institutes of national importance in higher technological education and in engineering, basic and applied research. Its history dates to the inception of the Roorkee College, set up in 1847 and later rechristened as the Thomason College of Civil Engineering in 1854. The University was scaled up to an IIT by the Government of India on September 21, 2001. Since its very inception, the institute has played a vital role in providing technical education and knowledge, research, and science and engineering applications in various fields to the country. The institute at present is running 14 undergraduate and 48 postgraduate programmes, including Ph.D. in various specializations.*

## About Geospatial Engineering Group

*Geospatial Engineering Group is known for its rich history as a knowledge epicentre of surveying techniques for Science and Civil engineering projects. Ranging from satellite-based measurements of Earth using optical, thermal, hyperspectral, laser and radar remote sensing to traditional surveying methods using Electronic Total Station (ETS), Global Position System (GPS), Unmanned Aerial Vehicles (UAVs), LiDAR, Terrestrial Laser Scanner (TLS), Ground Penetrating Radar (GPR), Spectroradiometers and Gravimeters, the group has capacities to solve important research problems including natural resources management, disaster management, earth surface deformation, glaciology and climate change, smart city 3D mapping, urban infrastructure development and many other research areas with important applications in Civil Engineering. The group has been regularly organising training programmes on various aspects of geospatial engineering.*



## About Programme

Looking at need of development in rural and urban, roads & railways, bridges and airports, etc., in our country, the knowledge of ground survey is very much essential for all executives/decision makers so as to understand the correct measurement, topography, shape and size of the ground. Hence, a knowledge of the use of modern technology in surveying is extremely important for developing and executing the project. The modern survey equipment not only saves the manpower but are efficient in accurate field data collection and their subsequent use in GIS. In this two weeks programme, the participants will learn about the use of Total Station, DGPS /RTK & associated software for data processing. Experts from IIT Roorkee, Industries, and Survey of India will be delivering the knowledge on the subject matter. Hands-on training on the instruments will be given to each and every participant.

## Eligibility for participation

Govt officials: Survey officers (Patwari and Tehsildar) and others involved in surveying and mapping-sponsored by Govt organisations.

Industry: All working engineers/professionals with civil engineering background sponsored by their organisations.

Engineering colleges: Graduate engineers of any stream interested in making a career in the field of survey, mapping and GIS.

## Course Fees

Rs 45,000 /- (includes Taxes) (Rs. Fourty five thousands per participants, which includes session tea, certificate, registration material). The payment can be made through RTGS/NEFT/UPI/Net Banking (Details are provided in Google form)

Participants have to bear the cost of boarding and lodging on their own. Presently accomodation cost is Rs 500per person per day on twin shared basis and food cost is approximately Rs.700 per day at GNEC, Noida

## Daily Schedule

Start: 9.30 am each day

Morning tea break: 11.30 am to 11.45 am

Resume of session: 11.45 am to 1.15 pm

Lunch break: 1.15 pm to 2.15 pm

Resume of session: 2.15 pm to 3.45 pm

Tea break: 3.45 pm to 4.00 pm

Resume session: 4.00 pm to 5.30 pm

Dinner: 8 pm to 9.30 pm

## Registration

[Click here](#) or scan the QR code to fill the registration form



## Important Dates

Last Date of Registration: 20<sup>th</sup> Jan 2025

Last date for Fees Payment: 30<sup>th</sup> Jan 2025

## Course Coordinator:

Prof. P K Garg

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Civil Engineering Department, IIT Roorkee  
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Dehradun)

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