

5-DAYS SHORT-TERM TRAINING PROGRAM (STTP) ON

ADVANCE SURVEYING AND THEIR ENGINEERING APPLICATIONS

25th - 29th August, 2025



COORDINATORS

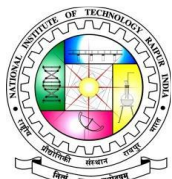
Dr. A.D. Prasad

Dr. Ajay Vikram Ahirwar

Department of Civil Engineering.

Dr. N.V. Swamy Naidu

Department of Mechanical Engineering.



ORGANIZED BY:

**Department of Civil Engineering
National Institute of Technology Raipur**

Objective:

The aim of this training program is to provide hands-on training and technical exposure on conventional and advanced surveying techniques used in modern engineering applications. The program emphasizes practical learning through field demonstrations and data processing of instruments such as Total station, DGPS, UAVs (Drones), handheld scanners etc. The target participants of this training program include students of B. Tech, M. Tech and Research Scholars of Civil Engineering, Mining Engineering, Mechanical Engineering, Applied Geology etc., laboratory technical staff, research scholars, faculty members, engineers, and professionals involved in planning, design, and execution of infrastructure projects. The training also aims to familiarize participants with the integration of geospatial data for effective decision-making and project implementation across various engineering domains.

Course Outline:

The following topics will cover in this Training Program:

- GPS.
- Total Station.
- DGPS.
- Un-manned Aerial Vehicle (UAV).
- Scanners.
- Data Processing.
- Relevant Software's

About the Institute:

National Institute of Technology Raipur is situated in the capital of state of Chhattisgarh, India. It has proven to be "avant-grade" in the field of science and technology over past few decades in this region with the sweet memories of foundation ceremony by the first Hon'ble President of India, Dr. Rajendra Prasad, on 14th September 1956. The institute started with two departments, namely Metallurgical and Mining Engineering. Later the inauguration of the Institute building was done by our first Hon'ble Prime Minister of India, Pt. Jawahar Lal Nehru on 14th March 1963. From 1st December 2005, the institute is enjoying the status of the National Institute of Technology (An Institute of National Importance).

About the Department:

Department of Civil Engineering is the backbone for all types of developments. Department involves the application of scientific principles and knowledge of mathematics, theory of mechanics and application of computers to the planning, analysis, design and construction for all types of infrastructures.

Department of Mechanical Engineering is one of the largest departments of the institute. Department also offers programs in all relevant disciplines of Mechanical Engineering including Design, Production, Thermal and Industrial Management.



Venue:

**Department of Civil Engineering
National Institute of Technology Raipur**

Registration Fee (including 18% GST)

Industry people/ Field engineers	Rs. 6000/-
Faculty Members, Research Associates,	Rs. 3000/-
Research scholars, Staff, Lab Technicians	Rs. 2500/-
Students of M. Tech	Rs. 2000/-
Students of B. Tech	Rs. 1000/-

Account details:

Name of A/c holder: Director NIT Raipur

A/c No.: 38027633250

IFSC Code: SBIN0002852

Bank & Branch: S.B.I. (NIT Raipur Branch)

Note: (i) Only working Lunch for external participants and Tea will be provided.

(ii) Fee is non-refundable.

Contact Information:

Ms. Preeti Tiwari (8817295567)

Mr. P S Kashyap (9505158535)

Patron

**Dr. N. V. Ramana Rao
Director, NIT Raipur**

Chairman

Dr. L K Yadu, HoD, CE, NIT Raipur

Coordinators

Dr. A. D. Prasad

Dr. Ajay Vikram Ahirwar

Department of Civil Engineering.

Dr. N. V. Swamy Naidu

Department of Mechanical Engineering.

Organizing Committee

Mr. Kapil Kumar Purnam

Ms. Monika Verma

Ms. Geetanjali Verma

Ms. Preeti Tiwari

Mr. P S Kashyap

Advisory Committee

Dr. M.K. Verma, Professor, NIT Raipur

Dr. R.K. Tripathi, Professor, NIT Raipur

Dr. Samir Bajpai, Professor, NIT Raipur

Dr. U. K. Dewangan, Professor, NIT Raipur

Dr. Gangadhar Ramtekkar, Professor, NIT Raipur

Dr. Prabhat Diwan, Professor, NIT Raipur

Dr. Manoj Pradhan, Professor, NIT Raipur

REGISTRATION FORM

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**Department of Civil Engineering
National Institute of Technology Raipur**

Full Name (Block Letter):

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Name of College/Institution/Organization:

.....

Qualification:

Designation:

Address:

.....

Pin code:

Phone No.:

Mobile No.:

E-mail:

Registration Fee paid: (Yes/ No):

Amount:

Place:

Date:

Signature of the participant

For Registration through Online Please follow the link below:

https://docs.google.com/forms/d/e/1FAIpQLScy3bifSBKb9FeekIArwpTl2Xt59Tny1_Zj3f6Xl6JlYrpMfQ/viewform?pli=1