



— INTERNSHIP PROGRAM IN —

ADVANCED SURVEYING TECHNIQUES - TOTAL STATION

Faculty of Technology - Department of Civil Engineering

Date: 23rd May - 06th July 2023

INDEX

- About Kalinga University
- Internship Objectives
- Internship Outcomes
- Eligibility
- Placement Opportunities
- Steps for Registration
- Module of 45 Days Internship Program
- Contact Us

Our University

Kalinga University, Raipur is a NAAC accredited University with Grade B+ and the Only Private University in Chhattisgarh ranked in Top 101-150 Universities in NIRF Ranking 2022 and has emerged as a centre of excellence of higher education in Central India. Strategically located in the Smart City of New Raipur, this University has started carving a niche for itself in the education domain and is rising as a shining star on the horizon of quality education.

Infrastructure – Kalinga offers World Class Infrastructure and student facilities with student centric approach. Highest attention is paid to hands on learning approach and students are encouraged to come up with innovative ideas for projects and practicals. The University has more than 90 laboratories and workshops, all well equipped with the latest, state of the art apparatus and tools. Special emphasis is given to the development of communication skills through the language lab. More than 1000 computers are available for the use of the students.



Establishment – Established in 2013, this University has been able to win the confidence of over 8000 students. Meritorious students from all over the country and various foreign countries like Afghanistan, Angola, Bangladesh, Cameroon, Gambia, Ivory Coast, Kenya, Lesotho, Liberia, Malawi, Namibia, Nepal, Nigeria, Papua New Guinea, South Sudan, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe, etc have chosen this University for their education and career.

Schools of Excellence – Currently the University is serving the student community by offering various UG and PG programs namely Engineering, Law, Pharmacy, Arts & Humanities, Science, Commerce & Management, Biotechnology, Information Technology, Library Science, Fashion Design & Interior Design, User Experience, Yoga, Film Making and Journalism & Mass Communication.



Course Objectives:

- To learn the use of Total Station Technology.
- To understand its applications for project layout & construction.
- Students will learn the operating characteristics of Total Station
- To provide practical knowledge on various aspects of the field of surveying.

Course Outcomes:

On successful completion of this program, students will be able to:

- Use & operate Total Station in the field.
- Apply the knowledge of Total Station in different operations in Civil Engineering projects.
- Use Total Station in the field of Civil Engineering land survey.
- Manage and identify constructional problems in order to improve problem-solving ability.

Who Should Attend

Beneficial For- Working Professionals, Students of UG/PG Programs & Research Scholars of Mechanical, Civil, Mining & Geology Engineering



Resource Persons



Dr. N. K. Dhapekar

Head - Department of Civil Engineering,
Kalinga University

Mr. Akshit Lamba

Assistant Professor - Department of Civil Engineering
Kalinga University

Advanced Surveying Techniques

Day	Topics	Days	Particulars
1	Introduction to Surveying Equipments	19-20	Plotting of Longitudinal Sections (LS)
2	Study of Minor Instruments	21
3	Chain Surveying	22-23	Measurement of Horizontal Angle between Two Objects using Total Station
4-5	Compass Surveying	24-25	Measurement of Vertical Angle between Two Objects using Total Station
6	Plane Table Surveying	26-27	Contouring & its Applications
7	28
8	Plane Table Surveying	29-30	Preparation of Detailed Project Report (DPR)
9	Study of Total Station	31-34	Live Project - Preparation of Detailed Project Report (DPR)
10-12	Levelling by HI Method using Total Station	35
13	Levelling by Rise & Fall method using Total Station	36-41	Live Project - Preparation of Detailed Project Report (DPR)
14	42
15-16	Levelling by Rise & Fall Method using Total Station	43-44	Live Project - Preparation of Detailed Project Report (DPR)
17-18	Plotting of Cross Sections (CS)	45	Doubt Clearing - Feedback - Valedictory Function - Short Visit of the Campus

NOTE: Project work will be conducted in the village nearby Kalinga University Campus.

Program Details

Duration : 45 Days

Date: 23rd May - 06th July 2023

Monday to Saturday

Time: 10:00 am to 4:00 pm

Venue: Kalinga University

RS 10,000/-



NOTE -

1. Accommodation facility is available on a chargeable basis : Rs 6,500/- for 45 Days inclusive of Food (Air Cooled Room- 4 Students/Room, 3 Meals per day & other amenities).
2. Transport Facility available from common pickup point (Free).

Steps For Registration

STEP 1: Participants have to make payment on the given bank details

Account Name: Kalinga University

Bank Name: ICICI bank

A/c No.: 390701000010

IFSC Code No.: ICIC0003907

SWIFT CODE: ICICINBBCTS

STEP 2: Take screenshot of the payment & send it to

nishikant.dhapekar@kalingauniversity.ac.in

STEP 3: Fill out the registration form with all the necessary information.

SCAN TO PAY



REGISTER HERE



CONTACT DETAILS

+91-7024133413 | nishikant.dhapekar@kalingauniversity.ac.in



Kotni, Near Mantralaya, Naya Raipur,
Chhattisgarh - 492101, India



+91-7024133413



www.kalingauniversity.ac.in
nishikant.dhapekar@kalingauniversity.ac.in

