



RAJEEV INSTITUTE OF TECHNOLOGY

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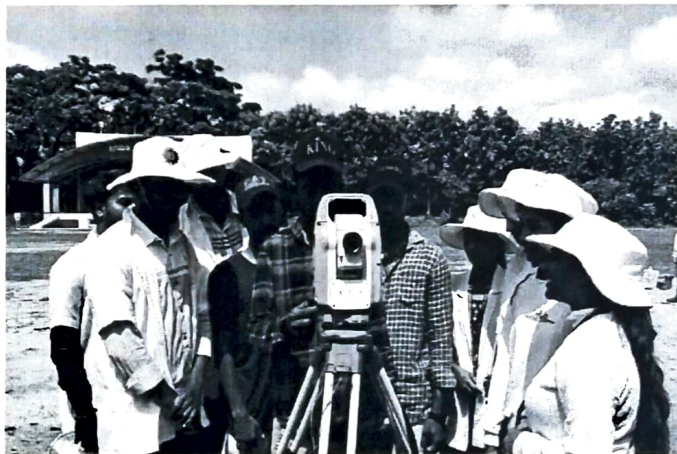
DEPARTMENT OF CIVIL ENGINEERING

**A REPORT ON FIVE-DAY HANDS ON WORKSHOP ENTITLED
"MODERN SURVEYING WITH TOTAL STATION"**

Organized by: Department of Civil Engineering

in association with

Shri Bhairaveshwara Engineering Consultants, Gandsi Hobli, Hassan District.



Date:23-05-2022 to 27-05-2022

Submitted By: Mr. Ananth H. V., Assistant Professor, Dept. of Civil Engg., RIT, Hassan.

Guests: Dr. B. E. Yogendra, Professor, Dept. of Civil Engg., MCE, Hassan.

Dr. A. N. Ramakrishna, Principal, RIT, Hassan.

Attendees: Sixth semester students and all faculties of Civil Engineering department.



DEPARTMENT OF CIVIL ENGINEERING

SYNOPSIS

Title of Workshop: “MODERN SURVEYING WITH TOTAL STATION”

Organized by the Department of Civil Engineering, RIT, Hassan in association with Shri Bhairaveshwara Engineering Consultants, Gandsi Hobli, Hassan District.

Target Audience: Sixth Semester Civil Engineering Students

Objective of the Workshop: The objective of the workshop is to provide a hands-on training on the use of total station instrument and to present the data recorded in the total station in a graphical format.

Outcome of Workshop: After the successful completion of the workshop, the students would be able to use the total station instrument independently, and present the data recorded in graphical and tabular format.

Benefit to the Students: The benefit of the workshop is that the students will get an exposure to the modern technique of surveying, which is accurate and robust. They will acquire the knowledge of the working principle of total station and its operating procedure. The students will also be able to transfer the recorded data on to a computer and convert it to a presentable format.

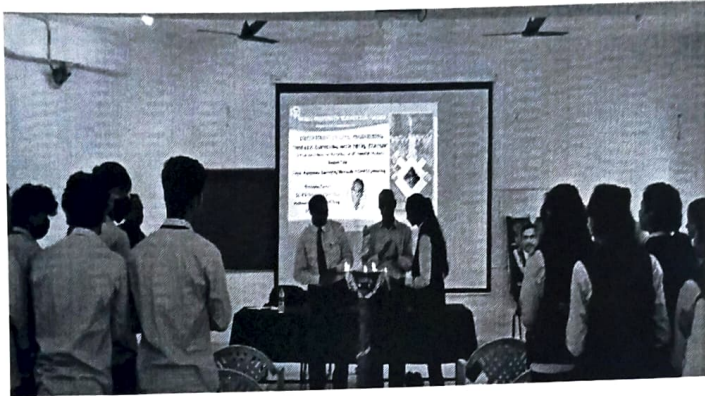
Signature of the Coordinator

Signature of the HOD

Head of the Department,
Department of Civil Engineering,
Rajeev Institute of Technology,
Hassan.

The Department of Civil Engineering organized a five-day hands-on workshop entitled “Modern Surveying with Total Station” from 23-05-2022 to 27-05-2022 in association with Shri Bhairaveshwara Engineering Consultants, Hassan.

The workshop was inaugurated on the morning of 23-05-2022 at the main block seminar hall in the presence of guest speaker Dr. B. E. Yogendra, Principal Dr. A. N. Ramakrishna, Head of the Department Mr. Sujay S., faculties and students.



Delivering the keynote address, Dr. A. N. Ramakrishna stressed the importance of surveying in general and electronic surveying in particular, and advised the students to make the most out of the workshop.

Later, the guest speaker Dr. B. E. Yogendra delivered a technical talk titled “Advanced Surveying Methods in Civil Engineering”. In his talk, the speaker elaborated on the principles used in modern surveying. He spoke at length about the coordinate systems used in surveying, GIS and GPS instruments, and topographical maps. The speaker also explained in detail about various parts of a total station instrument, its working principle and setting up the instrument. He demonstrated the use of the instrument for surveying and advised to students to get well versed with this modern surveying instrument. Head of the Department Mr. Sujay S. presented the vote of thanks.





From 24-05-2022 to 27-05-2022, the students were provided with hands-on learning of total station instrument. Mr. Karthik, the chief trainer at Shri Bhairaveshwara Engineering Consultants, along with his team explained in detail about the setting up of the instrument and its usage.

The students were taken to a tank site at Kittane village, about 7 kilometers from the college campus. There, the students were trained on bund tracing and recording the levels in the reservoir area using the total station instrument.

The students were also taken to a layout, about 5 kms. from the college campus and trained on boundary marking, staking-out and recording levels using total station.




The students were also trained on the extraction of the data from total station instrument to a computer and preparation of AutoCAD drawings to scale.

The five-day long workshop concluded with a felicitation ceremony where the students expressed their views about the workshop. Principal Dr. A. N. Ramakrishna appreciated the efforts of Mr. Karthik and his team. Head of the Department Mr. Sujay S. felicitated the trainers on behalf of the students. Mr. Ananth H. V. delivered the vote of thanks.




Signature of the Coordinator


Signature of the HOD
Head of the Department
Department of Civil Engineering
Rajeev Institute of Technology
HASSAN