

**A Brief Report on
“Short Term Course (STC) of Total Station”
form 13th March to 16th March 2021 in the Department of Civil Engineering,
Integral University Lucknow**

Department of Civil Engineering Integral University Lucknow Under the Aegis of Human Resource Development Centre (HRDC) Integral University organized a Four Days Short Term Course (STC) on “**Total Station**” from 13th March to 16th March, 2021 wherein total 74 students from the Department of Civil Engineering took part. The aim of the STC was to impart the knowledge of Advance Surveying Techniques among participants. The STC was organized under the patronage of Dr. Syed Aqeel Ahmad, Professor & Head of the Department of Civil Engineering & Director, HRDC. Convener & Organizing Secretary of the STC was Mr. Anwar Ahmad, Associate Professor, Department of Civil Engineering, Integral University, Lucknow.

The course was inaugurated by Dr. Syed Aqeel Ahmad with welcome to the course trainer Mr. SSY Jafri and highlighting the need to abreast our students with latest technology in the field of engineering to enhance their skills and to make them industry ready.

On the first day, participants were made aware about the functionality of the advance survey instrument i.e. Total Station and Real Time Kinematics (RTK) Differential Global Position System (DGPS) and its working principle. Field survey was carried out from day two i.e 14th March, 2021 and continued till 15th March, 2021 wherein all the participants performed actual measurement on site and done hands-on with instrument. The keen interest of the participating students of Civil Engineering department made the session very lively and fruitful.

The last day of the STC i.e. 16th March, 2021 was dedicated to report generation and analysis of the data. In the period off our days of STC, participating students of Civil Engineering Department learned and understood the new concepts of the emerging techniques in the field of Surveying using “**Total Station**” and RTK-DGPS which surly help them in their career building. The participants were trained and able to determine the area, coordinates, vertical and horizontal distances using Total Station and with RTK-DGPS.

After successful completion of the STC, participants were awarded with the certificate.

