

LASER Scanning

- LASER scanning is a distance measuring technique that measures the travel time of light pulse to and from the object and converts this to a distance.
- When combined with angular measurements of the laser, it is possible to build a 2D or 3D point cloud of the environment around the laser scanner.
- The use of laser scanning reduces data collection errors and the need to revisit a site due to missed detail.
- Practical exposure to laser scanning instruments and recap software for manual registration with the live project scan data.

SCOPE OF COURSE

- Introduction to Laser Apparatus
- Setting up the laser Instrument Fitting
- Scan settings
- Indoor Scanning
- Outdoor Scanning
- 2D Scanning
- 3D Scanning
- Topo Scanning

Career Prospects

- 3D Scanning engineer
- 3D Scanner
- 3D Visualizer
- Design Executive