

GEOMATICS LABORATORY

The curriculum of B. Tech (Civil) includes two courses, namely, Surveying and Geomatics which are taught in Semester-III and Semester-IV. Based on the theory, experiments are conducted in two labs (Surveying Lab and Geomatics Lab) in Semester-III and Semester- V. A survey camp of one week is also organized in Semester-V. A comprehensive exercise of surveying is carried out using auto levels, theodolites and total station to prepare topographical map of a hilly terrain in the camp. The Department of Civil Engineering has a well-equipped Surveying and Remote Sensing & GIS Lab. Following is the list of major equipment/ software available in the lab:

Name of the equipment	Technical Manpower Support		
	Name of the Technical Staff	Designation	Qualification
<ul style="list-style-type: none"> • Total Station (GeoMax): 5Nos. • Total Station (Nikon DTM-521) • Total Station (Leica TC-305) • GPS (GeoExplorer 3C) • Digital Theodolite (Geomax): 12 No. • Digital Theodolite (Horizon): 04 No. • Digital Theodolite (Nikon): 03 No. • Vernier Theodolite: 10 No. • Tacheometer: 02 No. • Auto Level 20 No. • IOP levels: 02 No. • Plane Tables: 15 No. • Surveyor's Compass: 13 No. • Prismatic Compass: 04 No. • Mirror Stereoscope: 02 No. • Pocket Stereoscope: 10 No. • ERDAS IMAGINE Software: 01 License • ArcGIS Software: 02 Licenses 	<p style="text-align: center;">Mr. Mumtaz Ahmad</p> <p style="text-align: center;">Mr. Fardin Razi</p>	<p style="text-align: center;">Lab Attendant</p> <p style="text-align: center;">Draftsman</p>	<p style="text-align: center;">High School</p> <p style="text-align: center;">M. Tech.</p>

