

Engineering Geology Lab

Lab In charge: Dr. Syed Hamim Jeelani

The Engineering Geology Laboratory is an integral part of the Department of Civil Engineering at K L (Deemed to be University). Since its inception, all the faculties, students and associated lab staff have actively contributed to its development.

The identification of different types of rocks and understanding their behavior are the major objectives of geology. Further, development of cracks, fissures in rocks like Folds, Faults and their remedies are learnt in this subject. The study of various geomorphological features and their associated map readings are an integral part of the Engineering Geology Lab.

It has range of minerals, ores and rock specimen for students to study and understand their physical, chemical properties and identification. Study of satellite Images, analyzing land use and land cover, electrical resistivity method for identification of groundwater potential and thickness of strata are also well equipped in the K L Engineering Geology Laboratory.

Sl. No.	Name of the Experiment
1	Identification of minerals using physical properties of minerals
2	Megascopic identification of rocks
3	Map reading
4	Base map preparation
5	Study of geological maps
6	Watershed delineation and bifurcation ratio
7	Drainage density and stream frequency analysis
8	Slope analysis and slope map preparation
9	Land use and land cover study using satellite images
10	Study of satellite images
11	Construction of topographical profiles
12	Structural geology models
13	Study of river features
14	Electrical resistivity method for identification of groundwater potential and thickness of strata





Crystallographic Models



Igneous Rock Specimens