**SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT**

**DEPARTMENT OF CIVIL ENGINEERING**

**GEOTECHNICAL ENGINEERING SECTION**

**GEOLOGY AND GEOPHYSICAL LABORATORY**

Geology and Geophysical Laboratory is established in the year 2022. The laboratory is located at CB31 in the Department of Civil Engineering (Old AMD Block). This lab provides a hands-on survey of the fundamentals of physical geology. The students will be introduced to the basic principle of geologic properties, identifying different types of rocks, and understanding their behavior. The topographic maps and models are used to analyze and understand a variety of dynamic systems, including rivers, groundwater, glaciers, sea coasts, and deserts. An understanding of the geologic time, structural geology, geologic maps, and plate tectonics will be developed. This lab is required to teach an Engineering Geology course at the UG level and a Structural Geology course at the PG level. The laboratory has good potential to carry out research and generate revenue in future.

**Presently this laboratory is under development phase**