

B H Gardi College of Engineering & Technology

A Report on Industrial Visit at ISR- Gandhinagar

Schedule: Date: 22th September, 2017

Time: 09:00 to 11:00 AM

Venue: Institute of Seismological Research (ISR), Gandhinagar

The faculty **Prof. Lekhank Bhuva** took the initiation and identified the visit of the institute of seismological research center for the students of final and pre-final year civil engineering department. The institute of seismological research is the institute which deals with earthquake related researches, developments and analysis of past and current scenario of earthquake. **The institute had taken initiation to correlate the Civil Engineering with the earthquake analysis and help the student to design the Earthquake resistant structures.** The student learned that the ISR Gandhinagar is working for analysis, situation controlling and preventive measures of earthquake. There are various laboratories known **as O.S.L. (optical stimulated luminance) and MASW**. There are two data can achieved by earthquake are wave and sound. Sound of earthquake is not much important for analyzing the earthquake. Waves generated and transferred and travelled through upper most surface are more useful for earthquake study. **MASW** is used for groundwater position and resources below ground. It uses frequency of waves. Relay waves travels on surface so it is known as surface waves. They provided information of Gujarat state map location of sensors.

