



**G H Patel College of Engineering & Technology, V. V Nagar**



## **Department of Civil Engineering**

Report on

Visit to “Kerakoll India Pvt. Ltd. The Green Building Company”, Vadodara

Department of Civil Engineering, GCET has organized one day (22/01/2020) industrial visit to “Kerakoll India Pvt. Ltd., Savli, Vadodara”. A visit was organized under the IGBC student chapter on the occasion of IGBC week celebration, September 2019. A total of 50 students (2nd year) along with 2 faculty members, Dr. Snehal Popli & Prof. Poorav Shah visited the Company.

**Aim of Visit:** The main aim of the visit is to make the students aware about the application of various green construction materials in flooring, cladding and grouting. The aim is also to observe the production unit of the green materials in the factory.

### **About the Visit:**

Kerakoll is an Italian based company which works on the concept of green building. It manufactures and supplies the green building materials mainly construction chemicals for the better and sustainable life of the building. The entire visit was divided in different sessions consisted of Kerakoll Flooring system, Cladding system and Grouting system followed by factory visit. The sessions were conducted by Mr. Kiran Bhatt, Sales Manager, Gujarat Division, Kerakoll India Pvt. Ltd. All the three sessions were very much interactive and enriched us with the basic knowledge that every Civil Engineer should know. The best part of all the sessions was that we were shown the live demonstration of the Kerakoll products like “ Bio-Cem” for flooring, “H40 No limit” for cladding and , “ Fugalite” for grouting. The amounts of material taken during the processes were also discussed. The fundamentals of each process, factors affecting each process and care to be taken during the process was discussed in detail.

During the discussion Mr. Bhatt explained the types of stones, effect of types of stone in application, calculation of amount of materials to be taken, thickness of all layers, effect of atmospheric temperature and humidity during application, instruments used in application, types of floors, effect of flooring material during application, types of grouting etc.

Also, the demonstration of stability and strength of the green materials in cladding of the tiles was shown using water load and the load is applied in the direction of gravitational force. Students learnt the fast application of the adhesives in cladding system and observed the strength

of the materials. They learn that in normal construction work requires long hours of curing but by addition of construction chemicals that can be minimized.

During Factory visit, temp and humidity maintained storage area, manufacturing and packaging area, warehouse for loading and unloading, automatic fully controlled computerized plant, fully develop well equipped quality control labs and their products were shown.