



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

**Department of Civil Engineering**

### **Report on**

### **Expert talk on “Concrete Microstructure and Structural Property Relations”**

An expert talk was organized on “Concrete Microstructure and Structural Property Relations” for All four year civil engineering students on 05<sup>th</sup> April, 2018

#### **AIM:**

The main aim of the expert talk is to aware the students about micro structure and general behavior of concrete with non-traditional approach.

#### **About the Talk:**

Dr. A. V. Thomas, Director, Adani Institute of Infrastructure management and Adani Institute of Infrastructure Engineering, Ahmedabad delivered the lecture on Concrete Microstructure and Structural Property Relations. He explained different types of Concrete with the concept of binder and aggregate. Then, he shifted the mindsets of all towards the concept of concrete microstructure and effect of different water content on the properties of concrete.

He also explained the reasons for less tensile strength of concrete as compared to its compressive strength. He covered different defects in concrete like shrinkage and creep with the reasons behind the defects. The lecture was brain storming session for all participants.

From this lecture, students got the information about relationship of different content of concrete with the strength.