

**Report on**

**Expert talk on “Various QA-QC Methods of Pile Foundations”**

The Civil Engineering department at G H Patel College of Engineering & Technology (A Constituent College of CVM University) had organized an expert talk on *Various QA-QC Methods of Pile Foundations* on 10<sup>th</sup> September, 2020. Total of 82 participants (Students and Faculties) of Civil Engineering Department have participated.

**AIM:**

The main aim of the talk was to make students aware about how important it is to predict accurate load bearing carrying capacity of pile foundation and various tests that can be performed on the piles.

**About the Expert:**

**Mr. Alpesh Kadam** did his B.E. Civil Engineering from The M. S. University of Baroda, Vadodara and currently working as Quality Manager in GEO Dynamics since 2006.

**About the Talk:**

Mr. Kadam began his talk with the discussion of why QA-QC is necessary to be carried out. He discussed about why load tests are important on piles and the importance of integrity tests on piles. He showed certain case studies where piles were seriously got damaged and there were chances of failures. So, according to him as one can't afford failure it's important to test the piles. He showed there are number of tests can be performed on piles and which options are suitable or one should have. Generally, as per his discussion there can integrity tests and load test. He discussed about few tests such as Low Strain Pile Integrity Testing (PIT), Cross hole Sonic Logging (CSL), Static Load Tests, Instrumentation etc. He later on discussed about how the test results can be analyzed to identify the severity of damage of piles. Lastly, he showed some the case studies of his organization to make students aware about practical significance of such tests.

The session was brainstorming for all the students and students have learned many things from the talk.