This course will show how to conduct the various types of tests used for soil testing. Each experiment of soil testing is presented with brief introduction covering the important details of the experiment, the theory and the purpose for which it is to be performed, followed by the detailed explanation of apparatus required, procedure and specimen calculations. These should enable students to perform the experiment and compute the results of experiments very easily.

**COURSE PLAN:**
- **Week 01:** Soil Processing and Moisture Content Test, Specific Gravity Test, Field Density Test, Grain Size Analysis.
- **Week 02:** Grain Size Analysis, Consistency limits, Laboratory Compaction test, Laboratory Permeability test
- **Week 03:** Laboratory Permeability test, Shear Strength Test
- **Week 04:** Shear Strength Test, Consolidation Test