



AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



DEPARTMENT OF CIVIL ENGINEERING

Soil Mechanics Lab

LIST OF EXPERIMENTS

Cycle - 1

1. Grain size distribution - Sieve analysis
2. Grain size distribution - Hydrometer analysis
3. Atterberg limits test
4. Determination of moisture - Density relationship using standard proctor.
5. Permeability determination (constant head and falling head methods)

Cycle – 2

1. Specific gravity of soil grains
2. Relative density of sands
3. Determination of shear strength parameters
 - a) Direct shear test on cohesion less soil
 - b) Unconfined compression test in cohesive soil
 - c) Triaxial compression test
4. One dimensional consolidation test


HoD/Civil Engg.