

Concrete Lab

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About the Lab:

To familiarize the students with the physical properties and mechanical behaviour of concrete and related construction materials. To demonstrate to the students the background theoretical aspects related to concrete-making materials and to highlight the link with actual practice. To familiarize the students with the suitability of these materials for construction, to give the students an idea of the preparation of mortar and concrete. To familiarize students with the experiments and give them exposure to equipment and machines. To prepare students to generate data from the experiment, analyse it, and maintain proper records.

List of Equipment:

1. Concrete Permeability Apparatus
2. Accelerated curing Tank
3. Compaction Factor Apparatus
4. Compression Testing Machine

List of Experiments:

1. Permeability test of concrete
2. Sportivity test of concrete
3. Rapid chloride permeability test of concrete
4. Bulk and surface electricity resistivity test of concrete.
5. Mercury intrusion porosimetry test.
6. Nondestructive tests of concrete



