

Name of Lab: **Concrete Lab: Fresh Properties**

## **Introduction**

Welcome to the Concrete Lab: Fresh Properties of Concrete, a virtual laboratory dedicated to the study of the behaviour and characteristics of concrete in its fresh state. Fresh concrete refers to concrete immediately after mixing and before the onset of setting and hardening. The properties of concrete during this stage are crucial in determining the quality, durability, and performance of the finished structure. Characteristics such as workability, consistency, cohesiveness, resistance to segregation, bleeding, and setting time influence the ease with which concrete can be mixed, transported, placed, compacted, and finished on site. Understanding the fresh properties of concrete is essential for engineers and construction professionals to ensure that concrete can be effectively handled while maintaining quality and achieving the desired structural performance.