

Behavior of Materials & Concrete Technology

Course Objectives

- List the characteristics properties of aggregates.
- Relate codes of practice and standards related to aggregates, cement, and metal testing.
- Identify the physical, and mechanical properties and behavior of aggregates, cement, and metals.
- Select appropriate building materials from the perspective of strength, durability, suitability of use to location.
- Use laboratory equipment competently and safely.
- Observe experiments in laboratory.
- Record data in laboratory.
- Work in stressful environment and within constraints.

Course Outline:

- Definitions & Principles
- Design of Durable Structures
- QC Program of Materials
- QC Program of Concrete
- Self-Compacted Concrete
- Techniques of Pouring Concrete Under Water
- Strategies of Concrete Structures Maintenance & Repair
- Diagnosis and Prognosis of Concrete Structures

EXPERT

EXPERT & PROFESSIONAL EXCELLENCE FOR TRAINING & CONSULTATIONS

- **Techniques of Evaluation of RC Structures Exposed to Severe Conditions.**
- **Techniques of Concrete Repair & Maintenance.**
- **Discussion & Course Assessment**

Location	Conrad Hotel
Start Date	04 Aug 2024
End Date	08 Aug 2024
Fees Before Discount	3500 \$
Special Discount	15% (To Nominate Three Participants)
Fees After Discount	2975 \$