



PSG College of Technology
Department of Civil Engineering
Advanced Concrete Research Laboratory (ACRL)



Short Term Training Programme on "Advanced Concrete Practices"

About ACRL

ACRL focuses on studying and enhancing the behaviour of advanced cementitious composite materials to achieve properties of importance to structural engineering applications. The core research involves material testing, developing of new fibers, improving the manufacturing techniques, as well as tailoring and optimization of cementitious composites to best suit structural engineering applications.

Course Coordinator- Dr S Praveen Kumar
Assistant Professor (Sl. Gr.), Civil Engineering

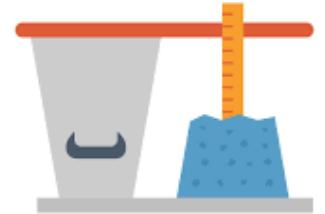
Registration Link: <https://forms.gle/Ut3YiceTPuCL88yM6>

Registration fee: Rs. 2950/- (Inclusive of GST)

Total Participants will be restricted to 25

Course Content

- Introduction to Cement and Concrete Composites
- Supplementary Cementitious materials
- Microstructural Characterization
- Fresh and Hardened properties
- Non-destructive evaluation
- Testing methods for Pozzolans
- Hands-on training on advanced equipment



Date: April 26-27, 2024

For further Information contact:
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About the Training Program

In the light of sustainable development, new materials are evolving consistently in the field of civil engineering. With advances in technology, equipment are now available using characterization of various aspects of the material are possible with utmost precision. The objective of this training programme is to shed light on few such equipment used for cement and concrete. The training programme will cover both Theory, laboratory and field based equipment.

At the end of the training programme, the participants will acquire sufficient knowledge related to the application and working of the equipment with theoretical background and gain sufficient confidence to operate them individually

Facilities available @ ACRL

- **Ball Milling**
- **Pulverizer**
- **High speed Planetary Mixer**
- **Heat of Hydration**
- **Blaine's apparatus (Computerized)**
- **Concrete Penetrometer**
- **Flow Table**
- **Air Entrainment meter**
- **Accelerated Chloride Permeability apparatus**
- **Resipod**
- **Half Cell potentiometer**
- **Volume Change apparatus**
- **Marsh Cone**
- **Flexural Jig Assembly**
- **Compression Frame Jig Assembly**
- **Length Comparator**
- **Water impermeability apparatus**
- **Concrete Impermeability apparatus**
- **Rapid Chloride Penetration Test apparatus**
- **Dynamic testing of Acid Attack apparatus**
- **Rapid Chloride Migration test apparatus**
- **Projectile Impact Testing frame apparatus**
- **Pozzolanic Test apparatus**

Last date for Registration: 12.04.2024

