



# Sanjay Ghodawat Group of Institutions

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## Department of Civil Engineering



SGI-STUDENT CHAPTER  
of American Concrete Institute



India Chapter  
of American Concrete Institute



## A Hands-on Training Program on NON-DESTRUCTIVE TESTING OF CONCRETE STRUCTURES

20<sup>th</sup> February, 2019

### Objectives ►►

The objective of this workshop is to provide participants with a basic understanding of methods, principles and techniques for non-destructive testing condition assessment of concrete structures.

### Content ►►

- ✓ Introduction to non-destructive testing in Civil Engineering; Philosophies and test methods.
- ✓ Classical NDT methods: Concrete strength and rebound hammer; Concrete cover and location of rebars
- ✓ Ultrasonic test methods
- ✓ Laboratory demonstrations

### The following NDT techniques will be included ►►

- ✓ Rebound Hammer to estimate in-situ concrete strength.
- ✓ Evaluation of cover depths to the reinforcement
- ✓ Half-cell potentials to assess the probability of reinforcement corrosion
- ✓ Acoustic methods (ultrasonic echo, impact echo, ultrasound methods) to locate voids and objects (reinforcement bars, ducts) and to assess member thickness

### Eligibility ►►

- ✓ Faculty member / PG Students / UG Students
- ✓ Practising Engineers

### DD drawn in favor of

Sou. S.D.G.C. Trust's Group of Institutions - Faculty of Engineering  
Payable at - Sangli

## Sanjay Ghodawat Group of Institutions

Sangli - Kolhapur Road, Atigre 416 118, Dist.: Kolhapur (MH) India

[www.sgoinstitute.in](http://www.sgoinstitute.in)



  
Concrete Fest  
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### Registration

For Faculty member / PG Students /  
UG Student Rs 200/-  
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For Practising Engineers Rs. 500/-

### Contact

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SGI Student Chapter of ACI

For More Details Visit: [www.sgoinstitute.in/civil\\_engineering.html](http://www.sgoinstitute.in/civil_engineering.html)