



# Sanjay Ghodawat University

Established as a State Private University under Govt. of Maharashtra Act no. XL dated 3rd May 2017

*Empowering Lives Globally !*



## Department of Civil Engineering



## Eco Concrete Cube Competition

11<sup>th</sup> March, 2020

### Objectives ►►

To Produce the ECO Concrete cube that achieves, strength, with sizes of 150 x 150 x 150 mm cube with tolerance of plus or minus 5 mm in all dimension (with minimum 7days curing) and to write a report explaining the design & production process.

### Materials ►►

- Cube shall be 150 x 150 x 150 mm dimension with a tolerance of plus or minus 5 mm in all dimensions.
- The water to binder ratio (by Mass) is fixed to 0.43.
- Portland cement must be used, commercial blended cement is not allowed.
- Alternate supplementary cementitious materials can be used in concrete mixture. A maximum 20 -40 % of the mass of binder materials can be replaced by non- portland cement materials.

A Minimum of 50% of the mass of Aggregate materials can be replaced by co - product,

- by- Product, Main - Product Recycled or crushed materials such as plastic, Rubber, Stones etc.

### Rules ►►

- Team member shall be diploma, under graduate college and post graduate students of a college at the time of competition.
- All the member of a team must be from the same college.
- A team is limited to three individuals.
- Each team must have a supervising faculty advisor who will see that the student team complies with the rules of the competition
- All materials & mix design used for the competition have to be clearly described in the written report.
- The compressive strength of concrete cube after minimum 7 days of curing should be 30 MPa.

**Note: All participants should present their cubes on 11<sup>th</sup> March, 2020**

1<sup>st</sup> Prize  
Rs. 10,000 /- with Certificate

2<sup>nd</sup> Prize  
Rs. 7,000 /- with Certificate

3<sup>rd</sup> Prize  
Rs. 5,000 /- with Certificate



Entry Fee  
Rs. 500 / -



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For  
E- Payment (UPI)

**Contact**  
**Faculty co-ordinator:**  
S.S. Shinde (9731944431)

**Student co-ordinators:**  
Surykant Jagadale (8830404690)  
Mayuresh Danale (9130033910)  
[conference2020@gmail.com](mailto:conference2020@gmail.com)

**SGU Student Chapter of ACI**

For More Details Visit : <http://www.sanjayghodawatuniversity.ac.in/dept-civil.html>



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

**12<sup>th</sup> March, 2020**

### 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.



### Registration

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



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### Contact

**Faculty co-ordinator:**

A.A. Koshti (9657970518)

**Student co-ordinators:**

Sushant Sawant (9665438612)

Tushar Ghevade (8999337867)

e-mail: [acisgisc@sginstitute.in](mailto:acisgisc@sginstitute.in)

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**SGU-STUDENT CHAPTER**  
of American Concrete Institute



**India Chapter**  
of American Concrete Institute



## National Level Conference on Sustainability in Eco- Concrete

**13<sup>th</sup> March, 2020**

### Objectives ►►

The objective of the conference is to provide an idea with an academic or professional focus in the area of sustainable Civil Engineering practices. The primary objective of this conference is to enhance the ability of Civil Engineers to deliver a visual presentation without any audio - Visual aids.

### Events ►►

1. Paper presentation
2. Poster presentation

### Themes (for poster and paper presentation) ►►

- |   |   |
|---|---|
| 1. Smart Transportation Services.                                   | 7. Nano Technology.                             |
| 2. Sustainable techniques in concrete technology.                   | 8. Green Binder Materials.                      |
| 3. Smart Construction techniques.                                   | 9. Composite for infrastructure renewal.        |
| 4. Zero energy building.  | 10. Industrial by-product for green binder.     |
| 5. Green Concrete: Efficient & Eco friendly construction materials. | 11. In door air quality freshened by materials. |
| 6. Demolition of building materials.                                | 12. Lightweight composite.                      |
|   | 13. Nano Materials.                             |
|   | 14. Saving energy.                              |

### Rules ►►

#### Paper presentation:

1. Paper must be in IEEE format.
2. Submission has to be done to [conference2020@gmail.com](mailto:conference2020@gmail.com).
3. All the abstracts submitted will go through a peer review process.
4. Max 2 Participants are allowed per Paper.

#### Poster presentation:

1. Max 2 Participants are allowed per Team.
2. Poster should be in A1 size.
3. All posters should be handmade.
4. The name and affiliation must be on back side of the poster.

### Important Dates ►►

- |  |   |
|--|---|
| • Last Date of Paper Submission: 05/03/2020    | • Date of paper presentation: 13/03/2020  |
| • Notification of acceptance: up to 05/03/2020 | • Date of poster presentation: 13/03/2020 |

### Prize for Paper & Poster Presentation

#### 1<sup>st</sup> Prize

**Rs. 5,000 /-**

#### 2<sup>nd</sup> Prize

**Rs. 3,000 /-**

#### 3<sup>rd</sup> Prize

**Rs. 2,000 /-**



### Registration

Paper presentation: 500/-

Poster presentation: 300/-



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### Faculty co-ordinators:

A.S. Manjarekar (9766532447)

N.M. Patil (9860055040)

### Student co-ordinators:

Mrunal Kulkarni (7030246816)

Aditya Nikam (9766310010)

[conference2020@gmail.com](mailto:conference2020@gmail.com)

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