



# Sandip Institute of Technology and Research Centre

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(Approved by-AICTE, New Delhi, & Govt. of Maharashtra and Permanently Affiliated to Savitribai Phule Pune University (Formerly Pune University), Pune.

Accredited with “A” grade by NAAC With CGPA Score of 3.11

NBA Accredited for Computer & Mechanical Engineering(UG Course)

w.e.f. 2023-24 to 2025-26

**An Autonomous Institute w.e.f. 2023-24**



**SANDIP**  
FOUNDATION



## **Department of Civil Engineering**

### **Academic Year 2023-24**

## **Inauguration of the Centre of Excellence by UltraTech Cement Ltd. and SITRC**

**Event Title:** Inauguration of the Centre of Excellence by UltraTech Cement Ltd. at the Department of Civil Engineering, SITRC

**Event Date:** 11th October 2024

**Event Venue:** Sandip Institute of Technology and Research Centre (SITRC), Nashik

### **Event Summary:**

Nashik, 11th October 2024: The Civil Engineering Department of Sandip Institute of Technology and Research Centre (SITRC), in collaboration with UltraTech Cement Ltd., successfully inaugurated the Centre of Excellence, which aims to promote advanced research, innovation, and industry-relevant training. This initiative is a major milestone in fostering stronger ties between academia and industry, providing students with practical exposure and skills necessary for the construction sector.

The inauguration ceremony was graced by distinguished guests and industry leaders, including Er. Jayasankar Kentinkara, Functional Head - Technical, UltraTech Cement Ltd., who served as the Guest of Honor, and Dr. Sandip N. Jha, Chairman of Sandip Foundation, Nashik, who presided as the Chief Guest. Both leaders delivered insightful speeches, emphasizing the importance of collaboration between industry and academia in driving innovation and preparing future engineers for the challenges ahead.

### **Guest of Honor and Attendees:**

In addition to the Chief Guest and Guest of Honor, several notable dignitaries participated in the event, including:

- Er. Arvind Mahajan, Zonal Head - Technical, UltraTech Cement Ltd.
- Prof. Pramod Karole, Academic Facilitator, Sandip Foundation

- Mr. Vijay Sanklecha, Regional Head - Marketing, UltraTech Cement Ltd.
- Mr. Sunil Misal Area Sales Head, UltraTech Cement Ltd.
- Dr. Amol Potgantwar, Principal, SF'SITRC, Nashik
- Er. Ashish Sontakke, Regional Head - Technical, UltraTech Cement Ltd.

### **Event Highlights:**

The newly established Centre of Excellence is designed to be a hub of innovation, providing students and faculty members with state-of-the-art research opportunities, hands-on industry training, and a platform for fostering collaboration between the academic and industrial sectors. This partnership with UltraTech Cement Ltd. aims to bridge the gap between theoretical learning and practical application, ensuring that students of the Civil Engineering Department are equipped with the latest tools and knowledge to meet the evolving demands of the construction industry.

### **Remarks from Key Speakers:**

- Er. Jayasankar Kentinkara, the Guest of Honor, expressed his enthusiasm for the collaboration, stating, "The Centre of Excellence will be pivotal in driving innovation and bringing academic and industrial knowledge together. Our focus is on ensuring that students gain exposure to real-world challenges and practical solutions."
- Dr. Sandip N. Jha, the Chief Guest, emphasized, "This partnership with UltraTech Cement is a testament to our commitment to providing the best resources for our students. The Centre of Excellence will contribute significantly to the development of skilled civil engineers who are ready to make a difference in the industry."

### **Departmental Leadership:**

Dr. J G Nayak, Head of the Civil Engineering Department at SITRC, expressed his appreciation for UltraTech Cement Ltd.'s ongoing support and underscored the importance of such collaborations for enhancing academic and professional development. "This Centre will not only benefit our students but also faculty members by enabling them to stay abreast of the latest industry advancements," he said.

### **Conclusion:**

The inauguration of the Centre of Excellence marks a proud moment for SITRC, further strengthening its reputation for academic excellence and cutting-edge industry

partnerships. This collaboration is set to provide students with the tools and experience necessary to excel in the dynamic field of civil engineering.



**Dr. Prashant Sunagar**  
Associate Professor



**Dr. J. G. Nayak**  
Head, Civil Engg. Dept.



**Dr. M. M. Patil**  
Principal,  
SITRC, Nashik



**PRINCIPAL**  
Sandip Institute of Technology  
and Research Centre,  
Mahiravani - 422 213, Nashik



**SANDIP**  
FOUNDATION



Sandip Foundation's  
**Sandip Institute of Technology & Research Centre , Nashik**  
(An Autonomous Institute)

**Department of Civil Engineering**  
&  
**UltraTech Cement Ltd.**

**Cordially invite you for the inauguration of**

**Centre of Excellence**

**On Friday 11<sup>th</sup> October 2024, 10:30 am**  
**Venue - Department of Civil Engineering**

**Guest Of Honor**

**Er. Jayasankar Kentinkara**

Functional Head - Technical  
UltraTech Cement Ltd.

**Dr. Sandip N. Jha**

Chairman  
Sandip Foundation, Nashik

**In Presence Of**

**Er. Arvind Mahajan**

Zonal Head Technical  
UltraTech Cement Ltd.

**Prof. Pramod Karole**

Academic Facilitator  
Sandip Foundation, Nashik

**Mr. Vijay Sanklecha**

Regional Head Marketing  
UltraTech Cement Ltd.

**Mr. Sunil Misal**

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**Er. Ashish Sontakke**

Reginal Head Technical  
UltraTech Cement Ltd.

RSVP – 7720083243, 9900048290








**INDIA'S NO.1 CEMENT**

**Concrete**


**Do's**

1. Suitable mix design should be used for particular specifications (i.e. M25, M30 etc.)
2. First mix the dry concrete uniformly i.e cement, coarse aggregates, fine aggregates (either manually or in transit mixture) as per predetermined quantity (i.e. batching of concrete material)
3. Do slump test before placing the concrete.
4. Concrete must be placed within 15 to 20 minutes of pouring water.
5. Do the proper compaction to the concrete with a vibrator or wooden tamp to remove air from the concrete.




**Don'ts**

1. Don't use damaged formwork. It affects the concrete resulting in the honeycomb.
2. Don't use unwashed aggregates in concrete; it may result in a weak concrete and substantial cost of maintenance.
3. Don't start concreting before casting of concrete. The Strength of the concrete should be as per predetermined mix Design.
4. Don't add more water for case of placement during the making of concrete.
5. Don't use semi-dry concrete in pouring. There will be chances of honeycomb inside the concrete.




**Curing**


Curing is the process of maintaining satisfactory temperature and moisture conditions in concrete long enough for hydration to develop the desired concrete properties.




Ponding




Membrane Curing




Sealing



Chemical Curing



Wet Curing



Steam Curing









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