

**Report of One-Day Workshop session “Waterproofing concepts and system application”**

**Organized by**

**Department of Civil Engineering & IQAC Cell**

**Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex**

**In Collaboration with Pedilite Industries**

**Title:** One-Day Workshop session “Waterproofing concepts and system application”

**Speaker & Designation:**

1. Pragati Singh, Technical Centre Executive, Pedilite Industries
2. Baibaswata Das, Assistant Professor & TIC, CE Department, SurTech
3. Krishnendu Kundu, Assistant Professor, CE Department, SurTech

**Number of Participants:** 28 Number of students from the Department of CE, A.P.C.Roy Govt. Polytechnic Institute

**Date & Time:** 20.04.2026, 10.30 AM onwards

**Venue:** C.V.Raman Auditorium, SurTech Campus

**Objective:** The objective of the one-day workshop on “Waterproofing Concepts and System Application” was to provide participants with a comprehensive understanding of the fundamental principles of waterproofing, including the causes of water ingress, types of waterproofing systems, and the selection and application of suitable materials in construction. The workshop also aimed to bridge the gap between academic knowledge and industry practices by exposing students to real-world applications and modern technologies through expert interaction.

Additionally, the workshop intended to enhance industry-academia collaboration by bringing professionals and experts together on a common platform to exchange knowledge and real-world experiences.

**Brief Description:** The one-day workshop commenced with a formal welcome and introduction to the theme, emphasizing the importance of waterproofing in enhancing durability and service life of structures.

The session by Pragati Singh focused on industry-oriented knowledge, covering:

- Types and causes of leakage in buildings
- Classification of waterproofing systems (integral, surface, membrane-based, etc.)
- Selection criteria for waterproofing materials
- Demonstration of commonly used products from Pedilite Industries

- Case studies highlighting practical challenges and solutions

The technical sessions delivered by Baibaswata Das and Krishnendu Kundu provided academic insights into:

- Fundamental principles of waterproofing design
- Structural considerations in preventing seepage
- Best practices in application for roofs, basements, and wet areas
- Common site errors and preventive measures

Interactive discussions and question-answer sessions were conducted throughout, allowing participants to clarify doubts and engage actively with the speakers.

**Outcome:** As an outcome of the workshop, participants gained enhanced knowledge of waterproofing techniques, materials, and practical application methods used in the construction industry. They developed a better understanding of common construction defects leading to leakage and the corresponding preventive measures. The session also improved their practical awareness and encouraged a problem-solving approach toward durability and maintenance issues in civil engineering structures.

Please find the glimpses of the event -



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