

Report of One-Day Workshop on “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 on Waterproofing Concepts and System Application

Date: 28 May 2026

Time: 10:30 AM onwards

Venue: APJ Abdul kalam Auditorium (Room No. 317) and Pedilite Workshop

Speakers:

Mr. Gautam Sur, Technical Head, Pedilite Industries

Ms. Pragati Sing, Technical Associate, Pedilite Industries

Objective of the Workshop: The primary objective of the workshop was to enhance the understanding of students and faculty members regarding modern waterproofing technologies, their practical applications in civil engineering projects, and the importance of waterproofing in improving the durability and service life of structures. The workshop also aimed to bridge the gap between academic learning and industry practices by exposing participants to contemporary waterproofing materials, systems, and implementation techniques used in the construction sector.

Brief Description: The Department of Civil Engineering of Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex, in association with Pedilite Industries, organized a technical workshop on “Waterproofing Concepts and System Application” on 28 May 2026 at the CV Raman Auditorium. The session was conducted by Mr. Gautam Sur, Technical Head, Pedilite Industries, and Ms. Pragati Sing, Technical Associate, Pedilite Industries.

The workshop commenced with an introduction to the significance of waterproofing in modern construction and its role in preventing structural deterioration caused by water ingress. The speakers discussed various causes of water leakage and seepage in buildings, including defects in design, construction practices, and material selection. Detailed insights were provided on different waterproofing systems used for roofs, terraces, basements, water-retaining structures, bathrooms, and external walls.

The experts elaborated on advanced waterproofing products and technologies developed by Pedilite Industries, highlighting their applications, advantages, and selection criteria for different construction scenarios. Practical case studies and real-life project examples were presented to demonstrate successful waterproofing solutions and common failures resulting

from improper application. The interactive session enabled participants to clarify technical doubts and gain valuable industry-oriented knowledge regarding waterproofing practices.

Outcome of the Workshop: The workshop successfully enhanced the participants' understanding of waterproofing concepts, materials, and system applications in civil engineering structures. Students gained practical exposure to industry-standard waterproofing techniques and learned the importance of selecting appropriate waterproofing solutions for different structural components. The session improved awareness regarding preventive maintenance, durability enhancement, and sustainable construction practices. The interaction with industry experts provided valuable insights into current industry requirements and emerging technologies, thereby strengthening the technical competency and employability skills of the participating students.

Please find the glimpses of the event -



One Day Workshop on Waterproofing Concepts and System Application on 28.05.2026