

School of Engineering & Technology
Civil Engineering Department
Academic Year 2025-26

Expert Talk

- 1. Event Title:** Expert Talk series on “Sustainable Infrastructure – Distinguished Speaker Series” (Engineering for SDG-Driven Development) on “Assessment of Scaling Risk in Dams Due to Calcium Deposition from Seepage water”
- 2. Event Date:** 27/2/2026
- 3. Event Conduction Duration:** 11:00 PM TO 1.00 PM
- 4. Event Venue:** Dean boar room Y Building
- 5. Event Resource Person Details (Speaker Image, Speaker name, Designation, Company name)**



Mr. D.D. Parakhe,
Scientific Research Officer, Compulsory Testing Division,
Maharashtra Engineering Research Institute MERI , Nashik-4

6. Name of Event Coordinator with contact details:

Dr. Swati Patil - Mo.8698747179

7. Number of Participants: 40

8. Event Outline, Objective & Outcome of the event:

Outline:

The Department of Civil Engineering organized an expert lecture under the *Sustainable Infrastructure – Distinguished Speaker Series* focusing on Engineering solutions aligned with Sustainable Development Goals (SDGs).

The session emphasized the assessment of scaling risks in dams caused by calcium deposition from seepage water and its impact on structural performance, durability, and long-term safety of hydraulic structures. The expert shared practical insights related to dam investigation techniques, seepage behavior, mineral deposition mechanisms, monitoring practices, and preventive engineering measures adopted in real field conditions.

The lecture helped students understand the integration of sustainable infrastructure practices with water resource management and dam maintenance strategies essential for resilient infrastructure development.

- **SDG 6:** Clean Water and Sanitation
- **SDG 9:** Industry, Innovation and Infrastructure

Objective:

- To provide exposure to real-world challenges in dam engineering and infrastructure sustainability.
- To understand causes and effects of calcium scaling due to seepage in dams.
- To enhance knowledge of inspection, monitoring, and maintenance of hydraulic structures.
- To connect civil engineering practices with Sustainable Development Goals (SDGs).
- To promote industry–academia interaction through expert knowledge sharing.
- To encourage research orientation in water resources and dam safety engineering.

Outcome of Event:

After attending the expert talk, participants were able to:

- Understand mechanisms of scaling formation in dam structures.
- Analyze the impact of seepage water chemistry on infrastructure durability.
- Recognize modern assessment and mitigation techniques for scaling risk.
- Appreciate sustainable approaches for maintenance of hydraulic infrastructure.
- Relate theoretical concepts of water resources engineering with field practices.
- Develop awareness towards sustainable and resilient infrastructure management.

SANDIP UNIVERSITY
SCHOOL OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING



Organizing

SUSTAINABLE INFRASTRUCTURE
DISTINGUISHED SPEAKER SERIES

(Engineering for SDG-Driven Development)

Event Title

**“Assessment of Scaling Risk
in Dams Due to
Calcium Deposition from Seepage Water”**

2026 FEB 27 FRIDAY
DEAN BOARD ROOM
Y-BUILDING SoET
Sandip University, Nashik

11.00 AM
ONWARDS

Guest Speaker



MR. D.D. PARAKHE

Scientific Research Officer, Compulsory Testing Division,
Maharashtra Engineering Research Institute MERI, Nashik-4

SDG Goal






Ms. Pranoti Sabale
Coordinator

Dr. Swati A. Patil
H.o.D Civil Engineering

Dr. P. G. Burade
Associate Dean Engineering

A/P – MAHIRAWANI, TRIMBAK ROAD, TAL & DIST. – NASHIK 422213

 www.sandipuniversity.edu.in  info@sandipuniversity.edu.in  1800 212 2714

Brouchure of Expert Talk including all details



Felicitation of Mr.D D Parkhe by Prof.P.G.Burade,Associate Dean Engineering



Felicitation of Mr.Bhoye by Mr.Shishir Dadhich



Felicitation of Guest by Dr.Swati Ashok Patil, HoD Civil Engineering,



Audience



Votye of Thanks by HoD Civil Engineering



Group Photo