

DEPARTMENT OF CIVIL ENGINEERING

One-day Workshop Report

on

“Concrete Construction Chemicals for Civil Engineering Students”

Department of Civil Engineering organized One Workshop on “Concrete Construction Chemicals for Civil Engineering Students” on 7th November 2025 for 3rd, 5th, and 7th semester Civil Engineering students to provide students with practical knowledge about modern chemical additives and technologies used to enhance the performance of concrete. The workshop aimed to bridge the gap between theoretical understanding and industry practices.

Session Overview

- Overview of concrete composition and challenges.
- Types of construction chemicals
- Plasticizers and Super plasticizers
- Waterproofing agents
- Bonding agents
- Curing compounds
- Grouts and sealants
- Importance of chemical admixtures in improving concrete quality and longevity.

The workshop was conducted by **Dr A Pavan kumar** a professional with extensive experience in construction chemical technologies. The resource person shared valuable insights into the use of admixtures in modern construction projects.

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Photos



Fig: During the session

Outcomes of the Workshop

- Students gained awareness about modern concrete technologies.
- Improved understanding of the role of construction chemicals in strength, durability, and sustainability.
- Enhanced interest in construction materials and quality control.