

## Report on Expert Lecture on "Cleaner Production"

An expert lecture on "Cleaner Production" was organized by the Chemical Engineering Department of L D College of Engineering (LDCE) on 20th February 2025. The keynote speaker was Dr. Bharat Jain from the Gujarat Cleaner Production Centre (GCPC). Lecture was attended by 65 students from the 4th semester. The session was coordinated by Dr. P. H. Rana and Prof. Nikita Ambegaonkar.

Dr. Jain emphasized the growing need for Green Chemistry (GP) and the significance of Cleaner Production (CP) in the chemical industry. He highlighted how CP strategies can help industries reduce waste, minimize resource consumption, and enhance sustainability. He also discussed case studies showcasing successful CP implementations and their impact on cost efficiency and environmental conservation.

The lecture provided valuable insights for students and faculty, reinforcing the importance of sustainable practices in chemical engineering. The session concluded with an engaging Q&A, where participants discussed practical approaches to adopting CP in industrial processes. This event successfully enhanced awareness of cleaner production methods and their role in achieving environmental and economic benefits in the chemical industry.

