

Report of Expert Lecture

An Overview of Plant Design and Project Economics

The Department of Chemical Engineering organized an **Expert Lecture** on “*An Overview of Plant Design and Project Economics*” on **26th August 2025** for 5th semester students. The session was delivered by **Shri M. N. Vyas (Ex-IPCL)**, an eminent professional with extensive industrial experience in process plant design and techno-economic evaluation.

In his lecture, Shri Vyas highlighted the fundamental aspects of plant design, including process selection, equipment sizing, layout considerations, and safety integration. He further elaborated on project economics, covering key elements such as capital cost estimation, operating expenses, profitability analysis, and decision-making tools for investment. The session effectively bridged the gap between classroom learning and real-world industrial practices, providing students with valuable insights into professional approaches to plant design and economic evaluation.

The event was successfully coordinated by **Prof. Nikita Ambegaonkar** and **Dr. T. S. Rajaraman**. The department extends sincere gratitude to Shri Vyas for sharing his expertise and inspiring the students with practical knowledge and industry perspectives.

