



SARVAJA
UNIVERSITY

Sarvajani University
Sarvajani College of Engineering & Technology,
SCET, Surat



Expert talk under R & D Talk Series

Organized by

Shree Dhansukhlal Thakordas (Colourtex Group)

Department of Chemical Engineering

In association with IIC and IChE Student Chapter, SCET

Date: 23.09.2026



SARVAJANIK EDUCATION SOCIETY
Sarvajani College of Engineering & Technology
Shree Dhansukhlal Thakordas (Colourtex Group)
Department of Chemical Engineering
In Association with
Institution Innovation Council (IIC)
Indian Institute of Chemical Engineers (IChE)



R & D TALK
**ENERGY EFFICIENT TRANSITION IN
CHEMICAL MANUFACTURING**
VENUE: CHEMICAL SEMINAR HALL
DATE: 23 SEP, 2026
TIME: 10:00 AM TO 12:00 PM



MR. A.I. SHAIKH,
FORMER ADDITIONAL GM,
GNFC, BHARUCH

FACULTY CO-ORDINATOR
PROF. RASHMITA PATEL

DEAN R & D
PROF. (DR.) UTPAL PANDYA

HEAD OF DEPARTMENT
DR. SRUJAL RANA

PRINCIPAL
PROF. (DR.) HIREN PATEL

Objectives of the talk: To create awareness among students about energy-efficient technologies and sustainable practices in chemical manufacturing, emphasizing energy conservation, process optimization, reduction of operational costs, and minimization of environmental impact in process industries.

Resource Person:	Mr. A.I. Shaikh, Former Additional GM at GNFC, Bharuch
Venue:	CHEMICAL AV Room
Date and Time:	23/09/2026, 10:00am-12:00pm
Participants:	125
Student Coordinators:	Abhay Patil and Avni Chauhan
Faculty Coordinator:	Rashmita Patel, Asst Professor & IChE Student Chapter Coordinator Chemical Engg Department.

About Expert:

Mr. A. I. Shaikh is a Chemical Engineering graduate from The Maharaja Sayajirao University of Baroda (1985) with over 40 years of experience at Gujarat Narmada Valley Fertilizers & Chemicals Ltd. (GNFC), where he served in various operational and project-related roles, progressing from Graduate Engineer Trainee to Additional General Manager. He is currently serving as Vice Chairman of the Ankleshwar Regional Centre of the Indian Institute of Chemical Engineers (IChE-ARC). He has made significant contributions to strengthening industry-academia collaboration through industrial visits, expert lectures, student interactions, and the organization of national and international technical events.

Overview of the Session:

The session commenced with a floral welcome to the expert by the Head of the Department of Chemical Engineering, Dr. Srujal Rana followed by the expert lecture. Mr. Shaikh highlighted the importance of energy conservation in energy-intensive operations such as heating, cooling, pumping, distillation, and evaporation. The session emphasized process optimization, efficient equipment operation, utility management, waste heat recovery, heat integration, and regular energy monitoring as key strategies for reducing energy consumption and operating costs. The speaker also discussed the importance of adopting improved technologies, minimizing energy losses, and maintaining process efficiency while reducing environmental impact. The session helped students connect their theoretical knowledge of thermodynamics, heat transfer, and process engineering with industrial applications, enhancing their understanding of the role of chemical engineers in promoting energy efficiency and sustainable manufacturing.

Glimpses of the Event:



➤ **Acknowledgements**

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- Prof. (Dr.) Utpal Pandya, Dean R&D
- Prof. Srujal Rana, Head, Chemical Engineering Department
- Teaching and Non-teaching staff of Chemical Engineering Department
- Student coordinators and participants
- One and all for their direct or indirect support

Compiled by: Rashmita Patel, Assistant Professor, Chemical Engg. Dept.