



Department of Chemical Engineering Indian Institute of Technology, Hyderabad

Industry Lectures

The Department of Chemical Engineering is pleased to invite you to the Industry Lecture Series of the January -2024 semester. The seminar is open to all and is mandatory for first year M. Tech students of Chemical Engineering.

Title: Executing a Chemical Process Plant –The Role of a Chemical Engineer

Speaker: Dr. Siddhartha Mukherjee

Position: Ex-Director

Affiliation: Technology-Air Liquide Global E&C Solutions

Date & Time: 26/04/2024 (Friday), 4:00 pm

Abstract:

The presentation will run through the entire gamut of activities that a chemical engineer performs right from inception of a plant up to commissioning. The concepts of pre-feasibility report and feasibility report will be discussed. The difference between technology and engineering will be explained. What is a

technology license and how a technology licensor is selected will be discussed.

The various stages in a project execution will be taken up in detail viz:

- Basic Engineering
- Detailed Engineering
- Procurement
- Construction
- Pre-commissioning and Commissioning
- Start-up
- Project Closure

Examples of various engineering documents will be illustrated.

In course of the presentation there will be generous use of figures, illustrations, photographs, and videos.

About The Speaker:

Dr. Siddhartha Mukherjee has a B.Tech and a Ph.D in Chemical Engineering from I.I.T. Kharagpur. He has worked in key positions in two reputed engineering companies in India i.e., Air Liquide Global E&C Solutions India Private Limited, New Delhi, and Development Consultants Limited, Kolkata.

He joined Air Liquide in June 1993. He carries an experience of more than 33 years in the design, engineering, pre-commissioning, and commissioning of refineries and petrochemicals plants and in general process engineering which he has developed while working on several projects in Air Liquide, India Centre. In addition, he has exposure to gasification technologies including the complete gasification block for the synthesis of downstream products. He also has exposure to several international assignments.

He is the authors of the book “Process Engineering and Plant Design – The Complete Industrial Picture”

by CRC Press. He has life memberships to the Institute of Engineers and the Indian Institute of Chemical Engineers. He has a number of publications in national and international journals. He is listed in the Marquis Who's Who in Science and Engineering. He is also an Air Liquide Group "International Expert".

Thanks & Regards,
Anand Mohan, Course Instructor (CH50006)