



Sarvajanik Education Society
Sarvajanik College of Engineering & Technology
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Shree Dhansukhlal Thakordas

FACULTY OF CHEMICAL ENGINEERING

Under the auspices of R & D Cell, Chemical Engineering Department invited **Dr. Deepak Jain, Director, Zoetis Pharmaceutical Research Pvt Ltd., Navi Mumbai** for delivering a talk on research avenues open for Chemical Engineering Students in the Pharma sector. The lecture was conducted at 10:30 hours at TIFAC-Seminar Hall for BE II-IV students.

Topic : “Role of Chemical Engineers in Pharmaceutical Development & Manufacturing”

Speaker : **Dr. Deepak Jain, Director, Zoetis Pharmaceutical Research Pvt Ltd., Navi Mumbai**

Date : **22.09.2017**

Venue : **TIFAC Centre**

Target audience : **BE II-BE IV Chemical Engineering students**

Speaker profile:

Dr Deepak Jain is currently working as Director and Head of Technology & Scale Up function in API unit of Pharmaceutical Sciences R&D, Zoetis (formerly Pfizer Animal Health) at Navi Mumbai, India. In his 19 years of professional experience, he worked with Ranbaxy Laboratories Ltd. and Academia (SCET – 8 years, SVNIT – 1 year) prior to Pfizer and Zoetis. His areas of expertise include scale up, technology development & transfer, process safety, novel process engineering techniques, basic project engineering and pilot plant operations. He is Ph.D. in Chemical Engineering from The M.S. University of Baroda, India. He holds 19 publications and 3 patents to his credit. One of his patents is on Crystallization. He is the recipient of Global EHS Star Award for ‘Development and Implementation of Process Safety Management Systems at New Site’ from Pfizer Corporate, among the nominations from 125 countries. He has delivered various talks at US, Singapore, Ireland, Switzerland, and India.

Dr. Deepak Jain stressed on the significance of fundamental knowledge for gaining expertise in any field. He explained the significance of higher degrees as M Tech, PhD, post doc wrt to

appropriate job profiles. Later on he shed light on numerous queries of the students in this regard.

He presented briefly about his organisation, Zoetis, his job profile and the ways MNCs like his operate globally.

In line with the topic he explained about API (active pharmaceutical ingredient) and the fillers that make up a tablet/capsule. He discussed about the stability, toxicity tests, clinical trials that needed to be performed for a drug before being placed in the market. He also presented the relevant market statistics for the drugs manufactured by M/s Zoetis and other Pharma competitors. An interesting interactive session with the students followed thereafter.

On behalf of Principal Dr. Vaishali Mungurwadi, SCET & entire Chemical Engineering Department, Prof. Vaishali Umrigar, HOD, Chemical Engineering Department thanked Dr. Deepak Jain for sparing his valuable time from his busy schedule for our students.

Photos:





Faculty coordinator: Prof. (Dr.) Swati Sharma.