

INDUSTRIAL EXPERIENCE

RASHTRIYA CHEMICAL AND FERTILISERS, MUMBAI

[Jan'12]

Guide – Prof. Sanjay Mahajani

- Successfully completed a training program on “Production of Sulphuric Acid” at RCF, Mumbai
- Studied and observed the process incorporated for the manufacture of sulphuric acid and the various techniques used to optimise the energy requirements of the plant

BASF INDIA , MUMBAI

[Mar'12]

- One of the 30 students from all over India selected for fully sponsored BASF industrial visit
- Successfully completed the study on production processes of four of its plants and understood the industrial effluent treatment processes being followed

POST OF RESPONSIBILITY

CORE TEAM MEMBER- ENERGY TECHNOLOGIES VISION 2035

[Mar'12-Dec'12]

- It is a student initiative of TIFAC, Govt. of India - the first of its kind platform for the youth to collaborate for research and practice to come up with ideas to have a better energy future for India
- Conceptualized and designed its webpage and ensure its publicity among people
- Made a report on India's present and future energy prospects.

VOLUNTEER-AVANTI FELLOWS

[Jul'12-Apr'12]

- It is a Non-Profit Organisation whose aim is to mentor and teach brilliant students from financially weak background for engineering entrance examination
- Publicize about this NPO and motivate above mentioned students from different schools of Bombay to join the same

ACADEMIC ACHIEVEMENTS

- Secured a rank in top 1% among 5, 00,000 candidates who appeared for IIT-JEE 2011
- Secured a rank in top 0.3% among 12, 00,000 candidates who appeared for AIEEE 2011
- Secured a rank in top 0.2% among 1, 20,000 candidates who appeared for ISAT 2011
- Ranked 1 in matriculation level on district
- Merit-cum-Means Scholarship from State Bank of India for college study

KEY COURSES UNDERTAKEN

Mathematics Courses:

Complex Analysis, Calculus, Linear Algebra, Differential Equations

Core courses:

Chemical Engineering Thermodynamics, Fundamental of Heat and Mass Transfers*,Intro. to Transport Phenomena, Solid mechanics, Process fluid Mechanics*,Introduction to Numerical Analysis*,Introduction to Chemical Engineering

Non-Core Courses:

Computer Programming and Utilisation, Data Analysis and Interpretation, Economics, Environmental studies*,Science and Engineering*.,Chemistry, Modern physics

Laboratory Courses:

Chemical Engineering Lab 1*,Experimentation and Measurements Lab, Chemistry Lab, Physics Lab, Engineering Graphics and Designing, Workshop Practice

Note:(The * marked courses will be completed by April 2013.)

COMPUTER SKILLS

- Programming Languages : C++,MATLAB,SCILAB
- Operating system : Windows , Linux
- Web Tools : HTML,CSS
- GUI Tools : Microsoft Office

TECHNICAL ACTIVITIES

WALL PAINTING ROBOT

[May'12-Jun'12]

- Developed a robot that, once initiated, can autonomously paint an entire wall
- Designed a mechanical method than can complete the above task using a single D.C. motor

REMOTE CONTROLLED RACING CAR

[Aug'11-Sep'11]

- Built a car to run easily over rough,incline surfaces
- Ranked under top 30 among 200 participating teams

EXTRA CURRICULAR ACTIVITIES

- Completed successfully first two level Tabla classes under a professional teacher [Apr'06-Mar'08]
- Achieved *Yellow Belt* in Judo under Bombay-Judo Club Association [Jan'12-Apr'12]
- Secured third position in *Treasure-Hunt* in *Freshiezza-2011* at IIT Bombay