



sandeep prakash
Chemical Engineering
Indian Institute of Technology, Bombay
Specialization: none

110020081
UG Second Year
Male
DOB: 24-06-1993

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2013	7.20
Intermediate/+2	cbse	maharishi vidya mandir	2011	89.70
Matriculation	cbse	holy grace academy	2009	93.00

POST OF RESPONSIBILITY

- **Co-ordinator of Aeromodelling club of IIT Bombay** [May'12-Present]
 - Conducted workshops ,organised sessions and air shows of RC airplanes created in the Institute for the freshmen.
- **Organiser for Techfest** (Asia's biggest technical activity festival). [Jan'12]

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
 - Analysed and studied the **Double Contact Double Absorption** process incorporated for the manufacture of sulphuric acid and the various techniques used to optimise the energy requirements of the plant
- **Fluid Control Research Institute-PALAKKAD**
 - Underwent **IN-PLANT TRAINING** at FCRI -Palakkad [Dec'12]
 - Underwent training in method of **testing and calibration** of different kinds of **Flow Metres**

TECHNICAL ACTIVITIES

- Lead team of three to **First** Position in **BLITZKREIG – DESIGN CHALLENGE** in **TECHFEST 2013**.
(Technical fest of **IIT Bombay**)
- Secured **Fourth** Position in **AEROSMITH** competition at **TECHNOZION 2012**.
(Technical fest of **NIT Warangal**)
- Designed and fabricated a **RC airplane** capable of carrying 200 grams in cargo and complete a course in under 3 minutes for **TECHFEST 2012**
- Created a RC airplane capable of completing a course in the minimum time for **ZEPHYR 2011**
(aerospace engg dept - **IIT Bombay**)

ACADEMIC ACHIEVEMENTS

- **All India Rank 3794** in **IITJEE 2011** among 5 lac students. (2011)
- Was among the **top 1%** students in the country in **AIEEE** (among 1 million appeared) (2011)
- Amongst the top 100 in **KEAM** (State level Engg entrance exam) (among 1.25 lacs appeared)

COMPUTER SKILLS

- Programming Languages :C/ C++,SCILAB,XML
- Worked in **Eclipse** (a multi-language software development environment)
- Web Tools : HTML
- GUI Tools : Microsoft office, Solidworks.
- Operating system : Windows, Linux (Ubuntu distribution)

KEY COURSES UNDERTAKEN

Core courses:

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

Non-Core Courses:

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

Mathematics Courses:

Analysis, Calculus, Linear Algebra, Differential Equations.

Laboratory Courses:

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

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

EXTRA CURRICULAR ACTIVITIES

- **NSS (GRA)** [Jul'11-Apr'12]
 - Worked with a team in a remote village studying the rainwater flow pattern and constructed check dams to reduce surface runoffs
 - Constructed and installed rainwater harvesting units for two households in the aforesaid village
 - Visited the Yusuf Meherally centre as a volunteer to expand their activities in a nearby village
- **TAEKWONDO** [2007]
 - Underwent 2 years of training in Taekwondo under the TFI (Taekwondo Federation of India) and holds a yellow belt in it
- **JUDO**
 - Possess a yellow belt in judo certified by the Bombay Judo Club [Apr'12]