NOORUDDIN KAPADIA
Chemical Engineering
Indian Institute of Technology,Bombay

110020051
UG First Year
Male
DOB:04.05.1993

Examination	University	Institute	Year	C.P.I/%
Graduation	IIT Bombay	IIT Bombay	2012	8.00
Intermediate/+2	CBSE,NEW DELHI	Kalidas Montessori,Ujjain	2011	90.6
Matriculation	CBSE,NEW DELHI	Kalidas Montessori,Ujjain	2009	83.6

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

TECHNICAL ACTIVITIES

DESIGN EXPLORATION WORKSHOP (D.E.W) under UMIC,IIT Bombay   [Dec'11]
- Worked with a team under the theme **Personal Emergency Habitats** to develop a prototype of **Fire Escape Elevators for Sky Skrapers**
- Developed a prototype which occupies lesser space and can be use to save people during fire emergencies in tall buildings
- Exhibited at IIT Bombay and received lots of appreciations from professors

SELF-PROPELLED HUMAN POWERED BOT   [Sep'11-Oct'11]
ASME IIT Bombay competition
- Designed two self-propelled human powered autonomous bots which depend only on spring and chemical energies

PAPER CARDBOARD BOT   [Mar'12]
- Engineered a bot using only cardboard and paper which can sustain atleast 80kg weight
- One of only 3 teams which were able to complete the above task in the event *Technoholi*

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 20 among 200 participating teams

BRUSH VIBRATOR   [Apr'12]
- Fabricated a vibrator which can run over smooth surfaces and take turn on finding obstruction
- Used only mobile vibrator and brush

ACADEMIC ACHIEVEMENTS

- **All India Rank 823** and **district rank 1** in **IITJEE 2011** among 4,85,000 candidates
- **All India Rank 485** and **district rank 1** in **AIEEE 2011** among 12,00,000 candidates
- **Scored highest** in the prestigious *Birla Institute of technology (B.I.T.S) entrance examination* and *Vellore institute of technology entrance examination* on district level
- Awarded the *Nai Duniya Scholar* Award for **1st position** in school in **10+2 C.B.S.E examination**

- Ranked in **top 10%** in the *Indian Association of Physics Teachers Olympiad, 2011*
- **Won** 4 out of 7 'Circuit Challenge Daily' quizzes conducted by Electronics Club, IIT Bombay
- Secured **1st position** in two consecutive intellectual competitions *Udaan 2011* and *Sambhavnaye 2011* conducted at the state level
- Awarded Scholarship for **1st position** in District level Science and Maths competition, 2009
- Recepient of **IIT Bombay's Merit-Cum-Means scholarship** [Jul'11-May'15]

COMPUTER SKILLS

- Programming Languages : C++,MATLAB,SCILAB
- Web Tools : HTML, CSS, PHP, JavaScript
- GUI Tools : Microsoft Office, Solidworks
- Operating system : Windows, Linux
- Completed Diploma in Computer Application (**DCA**) and Desktop-publishing (**DTP**) successfully

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.)

POST OF RESPONSIBILITY

CORE GROUP MEMBER - *Peer to Peer Stude club,* IIT Bombay [Jul'12-Apr'13]
- Conceptualised and conducted workshops on "*Seven Habits of Highly Effective People*"
- Organised *Student Session Connect* to have informal talks on both technical and non-technical activities with professors

MENTOR-*Avanti Fellows* [Apr'12-Apr'13]
- Held the post of mentor for Avanti Fellows,a non profit organization which helps bright students from poor socio-economic backgrounds to study for competitive examinations.
- As a mentor, I am guiding and tutoring three student mentees through their academic life

Organiser for *Techfest* (Asia's biggest technical activity festival) [Jan'12]
Hold the post of **academic house captain** in my school [Jul'05-Apr'06]
Was the **Commander** and active **Core Team Member** of the *SCOUT* [Jul'08-Apr'09]

EXTRA CURRICULAR ACTIVITIES

- Completed **B certificate** *National Cadet Corps (N.C.C) training* in 2011-2012
- Received certificate for **continuous 7 km swimming** for 6 hrs at *Swimathon 2012*
- Successfully completed the **table-tennis camp** under a professional teacher in summers of 2012
- Won **Man of The Tournament** in city level Under -15 cricket tournament 2007
- Completed course in **Creative Event Management** during summers of 2012