



Nimish Nagesh Kulkarni
Chemical Engineering
Indian Institute of Technology, Bombay
Specialization: None

110020001
UG Second Year
Male
DOB: 01-03-1993

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	6.70
Intermediate/+2	Maharashtra state Board	S.B.College of Science	2010	86.16
Matriculation	Maharashtra state Board	S.B.High School	2008	94.15

SCHOLASTIC ACHIEVEMENTS

- Secured **all India rank 816 (top 0.18%)** in **IITJEE 2011** among 4, 50,000 students all over India
- Secured **all India rank 3420 (top 0.3 %)** in **AIEEE2011** among 10,00,000 students all over India
- Received the prestigious **National Talent Search Examination (NTSE)** scholarship awarded by Government of India
- Secured **International rank of 119** in International Mathematics Olympiad (IMO) in 2010
- Awarded High Distinction in Australian National Chemistry Quiz organized by Royal Australian Chemical Institute in 2009
- Secured **state rank 16th** in Maharashtra Talent Search Exam in 9th std and **state rank 14th** in Maharashtra Talent Search Exam in 8th std
- Stood **1st in Maharashtra** state in Sanskrit and Mathematics in class 10 SSC exam
- Stood 3rd and 1st in district in Maharashtra government Scholarship exam in 4th and 7th std respectively
- Selected to national level in 9th National Science Olympiad in 10th National Cyber Olympiad organized by Science Olympiad Foundation

POSITIONS OF RESPONSIBILITY

Hostel-4 Maintenance Secretary

[April' 12-till date]

Hostel-4 is one of the biggest hostel in IIT Bombay with more than 650 hostel inmates

- Work as a part of 4 members, solve all the maintenance complaints of rooms, wings, bathrooms, lounge, mess, TV room, grounds, gardens, drinking water supply and ensure the smooth functioning of hostel
- Take care of hostel hygiene by ensuring spray of insects, mosquitoes, bed bugs repellents
- Interact with Institute contractors and maintenance offices for new maintenance initiatives and inventories
- Motivate and create maintenance awareness among hostel inmates to maintain the infrastructure of hostel
- Brought a 24 hours Coffee machine for hostel as a new initiative

Coordinator at Mood Indigo 2012 (*Mood Indigo is Asia's largest college cultural festival*)

[April'12-till date]

- Work with a team of about 40 coordinators; Responsible for scheduling and handling the entire infrastructure of the festival for 4 days comprising more than 120 events spread over 60 venues
- Presently involved in planning of social cause '**Thalassemia Awareness**'
- Was a part of Mood Indigo 2011 team as a Organizer

Coordinator at Techfest 2013 (*Techfest is Asia's largest Science and technology festival*)

[April'12-till date]

- Working with a team of about 25 members to make the hospitality of over **86000** people in successful way
- Responsible for making the successful accommodation of over **2000** people inside and outside the campus during the 3 days of festival

School student council body

[June 2009-March2010]

- Elected as a deputy Head Boy by student council body of entire school in 10th std
- Mentored and Organized annual gathering of school and also many other calendar festivals which had participation of about **1400** students

PROJECTS AND INTERNSHIPS

Project Report on Sulfuric acid Manufacturing process

[January-March 2012]

Practical training by industrial visit to Rashtriya Chemicals and Fertilizers Ltd.(RCF) which produces about 300 metric tons of sulfuric acid per day

- Studied design, structure and working of DCDA (Double Conversion Double Absorption) process of Sulfuric acid manufacturing plant at RCF
- Completed a project report on mechanism ,functioning of all equipments of plant and performed mass and energy balance on entire plant as well as on individual equipments under the guidance of prof.Vinjamur Madhu

Internship at Garware Polyesters Ltd.

[April-july 2012]

Garware Polyesters Ltd. is one of the major polyester companies in India which also has developed in-house technology for polyester films. The Company manufacture its own raw material that is Polyester Chips to manufacture Polyester Films for variety of end applications

- Studied manufacturing process of polymer chips of PolyEthylene Terephthalate (PET) from Pure Terephthalic Acid (PTA) and Mono Ethylene Glycol (MEG) by process of esterification followed by polymerization
- Analyzed practical working of reactors, cooling towers, heat exchangers, chillers, boilers, distillation columns
- Identified different grades of polymer chips products in quality control lab and analyzed parameters affecting the quality of polymer
- Studied the mechanism and functioning of process of producing biaxially oriented polyester films (oriented in both machine and transverse direction) of thickness ranging from 25-350 microns by PET polyester chips
- Studied the process of solid state polymerization (SSP) used to increase the intrinsic viscosity and molecular mass of polyester chips
- Reviewed the fire and safety measures which were exercised on the plant
- Prepared a project report on the manufacturing process of PET chips and polyester films

TECHNICAL SKILLS

- Programming language: C++
- Software proficiency: **Basics of Scilab, Adobe Photoshop, Sony Vegas and Sony Sound Forge**
- Platforms: **Windows, Linux**
- Productivity tools: **MS Office**

COURSES UNDERTAKEN

Core Courses:

- Chemical Principles and Processes.
- Solid Mechanics
- Transport Phenomena
- Chemical Engineering Thermodynamics

Additional Courses:

- Economics, Engineering Drawing, Data Interpretation and Analysis, Linear Algebra, Differential Equations, Complex analysis, Computer Programming, Calculus, modern physics

Lab Courses:

- Performed basic sets of experiments in chemistry and physics lab (UG lab)
- Experimental and measurement lab

EXTRA CURRICULAR ACTIVITIES

- Achieved **1st class certificates** in first 3 exams in Classical Tabla held by Akhil Bharitya Gandharva Mahavidyalaya
- Completed 10 months course of **NSO (National Sports Organization)** in Classical Tabla in 2011-12
- Played **Kabaddi** at inter school level from 5th to 9th standard
- Worked for production and fine arts in Performing Arts Festival (PAF) in March 2012 for which awarded **Special Mention Award**
- Consolidated the student alumni relations through contacting the many alumni by SARC (Student Alumni Relation Cell) event **Phonathon**
- Fluent in English, Hindi, Marathi languages
- Enthusiastic about playing sports, video editing; also enjoy travelling to new places, listening music and working for social causes
- Participated in reality show *Dhumshan* of TV channel ETV Marathi as a part of school team in 9th std which included general knowledge quiz and tug of war