Ankit Chouhan

Chemical Engineering

Indian Institute of Technology, Bombay

Specialization: none

110020049

UG Second Year

Male

DOB: 13/06/1992

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	6.75
Intermediate/+2	Narmada Valley International School	Narmada Valley International School	2010	72.40
Matriculation	Narmada Valley International School	Narmada Valley International School	2008	86.80

INDUSTRIAL EXPERIENCE

RASHTRIYA CHEMICAL AND FERTILISERS, MUMBAI   [Jan'12]

Guide – Prof. Sanjay Mahajani

- Underwent training programme at RCF wherein studied and streamlined the process of **Manufacture of Sulphuric Acid** by contact process with emphasis on purge techniques and emission control
- Integrated a comprehensive report showing the variations in amount of sulphur di-oxide in the atmosphere and ways to control the concentration of sulphur di-oxide below the limit prescribed by the government of India

TECHNICAL ACTIVITIES

BALL TRACKING ROBOT,

Institute Technical Summer Project, IIT Bombay

- Implemented image processing in Open CV to detect and approach specific coloured balls .
- Incorporated visual feedback from on board camera using enhancement and processing algorithms leading to better navigation
- Used AVR microcontroller and custom designed motor driver circuit for superior performance
- Designed the mechanical platform for testing various image processing algorithms
- *Displayed and received appreciation at IIT Bombay's Technical Exhibition*

ASME Student Selection Competition

- Secured **1st** Position among all Participants by completing a task of relay race
- Designed and fabricated two robots which runs using renewable sources of energy
- One robot is manualy triggered which then triggers other one thus completing a relay race

Remote Controlled Racing Car

- Designed a remote controlled car for the Intra College Event which worked wireless and cleared a circular path containing many obstacles

SKILLS

- Programming Languages: C++, SCILAB, MATLAB, OpenCV(Library)
- Hardware Description Languages: Arduino(Electronics Prototyping language)
- Web Tools: HTML, CSS.
- GUI Tools: Microsoft office, Solid works, Adobe Photoshop, Sony Vegas
- Operating system**:** Windows, Linux

POSITION OF RESPONSIBILITY

COORDINATOR, TECHFEST, Asia's Largest Technical Festival [Mar'12-Present]
- Part of 20 member team of On-the-spot zone ,responsible for conceptualizing and execution of various informal events
- Raising sponsorship for the festival by associating with a major apparels brand like Croma, Flipkart

COORDINATOR, MOOD INDIGO, Asia's Largest Cultural Festival [Mar'12-Present]
- Working with a 10 member team, entrusted with raising sponsors for Food and Beverages of the artists and the entire crowd coming to the festival
- Looking into the marketing and management of food and beverages in the festival
- Leading a team of 14 organisers to maintain logistics for food court and refreshments for artists

ORGANISER, Entrepreneurship Cell (E-Cell) [Aug'11-Feb'12]
- Worked for Events and was involved in execution of E-Summit

ACADEMIC ACHIEVEMENTS

- Currently pursuing minor in **Biomedical Engineering** from Biological Sciences and Bioengineering Department, IIT Bombay
- Recipient of MBD Talent Search Examination award for securing 1st rank in state [2001-02]
- Selected for second level of 11th National Science Olympiad organised by Science Olympiad Foundation
- Received certificate of merit for securing 3rd rank in District in MBD Talent Search Exam [2004-05]

KEY COURSES UNDERTAKEN

Core
- Chemical Engineering Thermodynamics
- Introduction to Transport Phenomenon
- Solid Mechanics
- Fundamental of Heat and Mass Transfer
- Process Fluid Mechanics
- Introduction to Numerical Analysis

Mathematics Courses
- Complex Analysis
- Linear Algebra
- Differential Equations

Laboratory Courses
- Chemical Engineering Lab 1
- Experimentation and Measurements Lab
- Chemistry Lab
- Physics Lab
- Engineering Graphics and Designing
- Workshop Practice

Others
- Computer Programming and Utilisation
- Data Analysis and Interpretation
- Economics

EXTRA CURRICULAR ACTIVITIES

WORLD RECORD
- Participated in world record of solving Rubik's Cube entered in **Guinness Book** of World Record and **Limca Book** of World Record

CULTURALS
- Interested in playing Guitar and completed a one year advanced course

SPORTS
- Won several competitions in school in Volleyball, Basketball and Cricket