Shubham Gupta   09002020
Chemical Engineering   UG Third Year (B.Tech.)
Indian Institute of Technology, Bombay   Male
          DOB: 14-10-1990

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	8.82
Intermediate/+2	Jaipuria Vidyalaya	Cental Board of Secondary Education(CBSE)	2008	92.20
Matriculation	Jaipuria Vidyalaya	Cental Board of Secondary Education(CBSE)	2006	92.80

SCHOLASTIC ACHIEVEMENTS

- Secured All India Rank of 871 out of 3,84,000 (99.70 percentile) Joint Entrance Examination 2009
- Secured All India Rank of 1365 out of 10,00,000 students in All India Engineering Entrance Examination 2009
- Undergraduate Research Award, IIT Bombay   [Jan 2012]
- School topper in HSc exam and was amongst top 0.1% candidates in Maths and Physics
- IITB heritage fund scholarship holder 2009-10

ACADEMIC PROJECTS

Optimization based Course Allotment Project   [Aug 2011-Jan 2012]
guide: Prof Mani Bhushan

- Received Undergraduate Research Award for the project
- Development of constrained optimization formulation of allotting course to institute instructor based on instructor's preferences and requirement of running core and elective courses

Pattern Classification Project   [Dec 2011-till date]
guide: Prof Mani Bhushan

- Mutual Information based variable selection for efficient pattern classification

Biosynth Project

- Student initiative project for conversion of waste vegetable oil to biodiesel
- Worked as coordinator in research and development team
- Carried out research for increasing yield and reducing overall cost of process

Numerical Analysis Project   [March-April, 2011]

guide: Prof Mani Bhushan

- Coded a project in Scilab to calculate solution of differential equation using orthogonal collocation and finite difference method.

Mini National Unique Identity for IIT Campus students   [July-Nov, 2009]

Guide: Dr. D.B. Phatak

- Used the object oriented programming language C++ to develop a identification system for the residents of IIT-B.
- The interface took a fingerprint as an input and issued a unique Identification number, similar to a social security number and maintained database of attendance and entrty-exit timing.
- Used structures and classes for effective storage, analysis and abstraction of data

Rashtriya Chemical and Fertilizers Limited   [March-April, 2011]

guide: Prof Sanjay Mahajani

- Successfully completed the training program on "Sulphuric Acid Technology" conducted by "Rashtriya Chemicals and Fertilizers Ltd"
- Worked on **DADC (Double Absorption Double Contact)** technology to produce Sulphuric Acid for industries
- Carried out a detailed mass and energy balance for the Sulphuric Acid production plant, Prepared a report and presented the complete working of the Sulphuric Acid production plant

EXTRA CURRICULAR / SOCIAL ACTIVITIES

- Stood 4th in wireless remote control robot competition   [2009]
- Member of National Social Service (NSS) in first year
- Attended 2 days village camp trip under Group for Rural Activity for discussing about village problems and collecting basic information of villagers
- Participated in Blood donation Camp organised at IIT Bombay

ACHIEVEMENTS

Founder, INFISASTA   *[Aug '11- till date]*

Startup aimed at selling entire range of daily use electronic products

- Conceptualized and Initiated sales of electronic goods at significantly lower prices compared to any online store, in the flourishing market of electronic goods in the IIT Bombay campus.
- Heading a team of 3 to handle marketing and publicity, of the venture for smooth execution
- Prepared a systematic method of managing customer support via a web interface to make it convenient for the customers to view all the products and place orders online

COMPUTER SKILLS

- Programming proficiency   : Matlab, C++, Java, Scilab, C
- Software Proficiency   :MS Office, Dreamweaver, Adobe Photoshop
- Operating System   :Windows, Linux

COURSES UNDERTAKEN

Fundamentals of Heat and Mass Transfer	Solid Mechanics
Introduction to Transport Phenomena	Chemical Engineering Thermodynamics
Introduction to Numerical Analysis	Chemistry
Introduction to Chemical Engineering	Chemical Engineering Lab
Introduction to C++	Data Structure and Algorithms
Modern Physics	Physics Lab
Data Analysis and Interpretation	Economics
Linear Algebra	Calculus
Introduction to Electrical and Electronic circuits	Complex Analysis

POSITION OF RESPONSIBILITY

- **Coordinator, Techfest'11,** *IIT Bombay's annual Technology festival*
  Worked as the coordinator in Hospitality department of Techfest and handled the accommodation of around 4000 people, along with the team manager
- Worked as Organizer in Mood Indigo 2009