**Academic Achievements**

* Qualified in **Bihar Sainik School Exam** out of 50,000 candidates [2001]
* Won **Gold Medal** for Best Student in Mathematics in College [2005-07]

**Internship Experience**

**ERP (Enterprise Resource Planning), HONDA MOTORS (Warehouse, Noida)**  [May-Jul, 2010]

* Strategized **company’s expansion plans** into two wheeler spare parts business
* Optimized **warehouse space allocation** by implementing key infrastructural changes resulting in **freeing up of 15000 sq. feet** of space to be used for two wheeler spares stocking
* Created a layout for the free space to reduce material flow length and increase hold space
* Designated new locators for materials by analyzing data for stocking parameters
* Communicated with dealers and successfully solved real-time problems of supply back-orders
* Conducted an **audit** to identify the root causes of increasing backorders & proposed solutions

**Projects Undertaken**

**Dual Degree Thesis: Design and Development of High Speed Micro-Milling Machine Set Up** *(Dual Degree Thesis Guide: Prof. Ramesh Kumar Singh)* [ongoing 2011]

* Built **set up for High speed micro milling** process
* Designed and performed experiments on metallic alloys and **bulk metallic glasses** to produce micro components with **glassy surface finish** in less time avoiding fragile tool breakages
* Strategizing the fabrication methodology for **micro fluidic channels**, useful for biomedical research

**Design of Hydrodynamic Nano-polishing Set Up for single sapphire crystal**  [May-Aug 2011] *(Guide: Prof. Ramesh Kumar Singh)*

* Funded by **BARC** (Bhabha Atomic Research Centre)
* Performed experiment at high temperature condition and achieved **surface roughness** of conformal cavity till **50 nm**
* Designed the tool setup assembly for the machine, which was delivered to BARC

**Key Academic Projects/Seminars/Case Studies**

**Dynamic Lot Sizing Models** *(Guide: Prof. A. Subash Babu)* [Oct 2010]

* Presented a seminar on detailed analysis on basic **EOQ (Economic Order Quantity) models**
* Wagner Whitin Method and **Groff Heuristics** were implemented on real life problems

**Inventory Control and Management** *(Guide: Prof. P.G.Awate)*  [0ct 2009]

* Prepared a detailed report on inventory control methods and **developed a software code** for implementing **Wagner Whitin Model**

**Cost Benefit Analysis** *(Guide: Prof. A Ramanathan)* [March 2009]

* Worked on different real life case studies and submitted a report on them

**Industry Relevant Courses Done**

**Manufacturing Planning and Control**, Quality Control and Reliability, **Inventory Planning and Management**, Industrial Engineering and **Operational Research**, Law Governance Rights and Development, **Discreet Event Simulation**

**Co-Curricular Activities**

* Participated in the workshop on **‘Intellectual Property Rights Fundamentals’** [Aug-Oct 2010]
* **Won** several district level **quizzes** being representative of school [2003-05]

**Position of Responsibility**

**Director, Script HEAD: PAF (Performing Arts Festival) Play- ‘Chasm-e-Num’** [2011]

* **Selected to script and direct** the play, **out of 80 representatives** of 4 hostels
* Led a **team of more than 40 actors**, critically analyzed the technical aspects of screenplay
* **Inspired and encouraged** the all new comer actors to perform in the event
* Won **1st position in script writing** of the play out of 4 participating teams

**Editor, Aawaaz** *(Hindi Media Body, IIT Bombay)* [2009 -10]

* Envisaged and **pioneered** the concept of **Top News @ Campus** – a fortnightly Video Series for all the events happening in IIT Bombay
* **Oye It’s Wednesday** – a weekly Forum for **polling by students** on burning and relevant topics of IIT Bombay. Its results were communicated to Dean for **policy changes**
* Created awareness not only in institute but **among international alumni circles** which resulted in **Record 32,643 Web hits** on the website of the Aawaaz group

**Teaching Assistant**

* Assisting 25 students in their study for the course ‘**Intelligent Manufacturing Lab**’ [2011]
* Helped Preparatory **students of Mathematics** in IIT Bombay, they did well in exams [2010]

**Initiatives**

**Founder of Vaani: Hindi Club of IIT Bombay**  [2007]

* **First Hindi Club of IIT Bombay**, which caters interest of Hindi Speaking Students by conducting different Hindi literature related workshops or events
* Helped in organizing the Poetry reciting event **‘Kavyasandhya’,** which has invited some prominent Hindi poets

**Chairman, APSOSA** *(Aryabhatta Public School old student association)*  [June 2008]

* Organized **1st Old Student Meet** alone in my school, which increased the interaction between current students of school and Alumni
* Performance of current students got improved

**EXTRA-CURRICULAR ACTIVITIES**

**Cultural: PAF Colour** [Feb-Mar 2011]

* Awarded by Hostel Council for phenomenal contribution in PAF (**Performing Arts Festival**)
* Only to **3 out of 500** students

**Cultural Colour**  [2008-09]

* Awarded to only 4 out of 500 students for being one of the **best Cultural persons**
* Conceptualized theme for Dramatics and Dance events and performed in some of them

**Sports** [2009]

* **Won SPL** (Seven Premier League), Hostel Football Tournament
* Was the **Best** **Goalkeeper** of the tournament

**NCC**

* Awardee of **B-Certificate of NCC** (National Cadet Corps) Maharashtra Regiment -2 [2007]