

SCHOLASTIC ACHIEVEMENTS

- Ranked amongst the **top 0.40% (All India Rank 1723)** in **IIT JOINT ENTRANCE EXAMINATION 2008**
- Ranked amongst the **top 0.45% (All India Rank 4000)** in **ALL INDIA ENGINEERING ENTRANCE EXAMINATION 2008**
- Awarded **CREDIT** in mathematics in the INTERNATIONAL ASSESEMENTS FOR SCHOOLS conducted by the **UNIVERSITY OF SOUTH WALES**
- Secured an **ALL INDIA RANK 342** in the **ENGLISH PROFICIENCY AND GENERAL KNOWLEDGE TEST** organized by CIPEL

INDUSTRIAL EXPERIENCE

JYOTI LTD., BARODA (JUNE 3, 2009 TO JULY 2, 2009)

- Exposed to the industrial algorithm of design & manufacturing of various products like pumps, motors and generators.
- Basic exposure to soft wares like Pro-E and CFX used for design of pumps, motors and generators.

BOMBARDIER TRANSPORTATION LIMITED, SAVLI (MAY 24, 2010 TO JUNE 24, 2010)

- Theoretical study of the structure of the metro trains' manufactured and basic exposure to the plant layout and industry norms.
- Exposure to Managing Methods and the nomenclature, format and content of the documents being used
- Analysis of Technical Drawings and preparation of a list of sub-components with their dimensions
- Detailed analysis of all the sub-sections and preparation of a report suggesting discrepancies and modifications to improve the efficiency
- Exposure to the Testing facility and observation of the procedure followed for the same

ACADEMIC PROJECTS

MATERIAL SELECTION AND DESIGN (under Prof. G.V.Prabhugaonkar, 2009)

- The project aimed at analyzing constraints in designing the runner blade of a hydro turbine. It involved analyzing all possible combinations of alloying elements and their impact on the physical properties by using various Ashby

charts and Diagrams. The resulting probable choices were categorized and compared with current industrial practices.

SIMULATION OF MICROCUTTING IN 2D DEFORM (under Prof. Singh, 2010)

- To investigate the effect of various process parameters such as tool geometry (rake angle, cutting speed, feed rate) on different work piece materials in Micro-cutting using 2-D DEFORM software
- Simulations were carried out and the cutting force, the temperature distribution in the work-piece and the tool and the thrust forces encountered during the cutting process were investigated

LENTICULAR PRINTING (under Prof. KP Karunakaran, 2010)

- Detailed analysis of the principle, working, manufacture and assembly of lenticular prints along with its applications in various fields. Exploration of concepts of virtual 3D

LINE FOLLOWER ROBOT (autumn semester, 2008)

- A battery powered robot fabricated such that it could trace a distinguished line on a plane surface
- Basic exposure to the implementation and working of basic electronic components & the mechanical design of the robot

ALL TERRAIN VEHICLE ROBOT (Enduro, Techfest 2009)

- A battery powered robot fabricated such that it could successfully complete an obstacle course with various terrains
- Basic exposure to RF circuits and other electronic components & the mechanical design of the robot.

POSITIONS OF RESPONSIBILITIES

- **Coordinator – IITB Techfest 2010** (Lead a team of 6 organizers for the management of Technoholix Events)
- **Coordinator - E-Cell** (Part of the team encouraging entrepreneurship in the institute and managing events like E-summit and Eureka in the institute)
- **Music and Dance Secretary** of Hostel 9,IIT BOMBAY (Stood **FIRST** in the Music General Championships 2010)