

SCHOLASTIC ACHIEVEMENTS

- Achieved AIR 2284 in AIEEE among 8 lac students in 2009.
- Among top 100 of STSE (State talent search award) in Bihar.
- Among .1 % top scorers for physics boards exam (+2).

POSITION OF RESPONSIBILITY

• Student Tech. Mentor: (2010-2011)

- Responsible for mentoring of around 48 first year students.
- Acquainted all the students the practical use of basic electronics.
- Explained to all of them, all the mechanical details to make a wireless remote controlled car chassis.
- Explained the use and working of **L293D and 7805 Ics.**

• Materials Incharge PAF 2011 (Golden quadrilateral)

- Responsibility for both buying and arranging materials for the organisation of PAF.
- Managed freshers for smooth conduct of prod work.
- Our PAF won the best PAF of 2011.

EXTRA CURRICULAR ACTIVITIES

• Coordinator Techfest 2010 (Asia's Largest Technical Festival):

- Conceptualised and conducted an on the spot competition called **JUNKYARD WARS.**
- Conducted the competition on the lines of the original T.V. program in which the competitors had to pass through two elimination rounds and one grand finale to win which consisted of making a human powered boat that can carry the weight of two people.
- This competition required quite a good use of the structural stability and strength and hydraulics engineering.

• Organizer Mood Indigo 2009 (Asia's Largest Cultural Festival):

- Helped in the organisation of a concert by a rock band **MONEY BROTHER** from Sweden, which was a good experience while interacting with the performers.
- Also was a part of the organising team of a concert on Indian and Western Classical Fusion on songs written by **Rabindranath Tagore** by **Francesca Cassio** (singer) and **Ugo Bonessi** (pianist).

• **Yogasanas** – have learned many day to day useful yogsanas as a part of National Sports organization.

• **Seminars-** Presented seminar on ANAMMOX (Anaerobic Oxidation of ammonia) a path breaking tool for treatment of wastewater.

PROJECTS UNDERTAKEN AND INTERSHIPS

Idiscoveri education Pvt. Ltd. (XSEED):

- XSEED is a complete and comprehensive educational solution for students from grade 1 to 8 and presently cater to more than 2, 00,000 students in India and abroad.
- Worked as a curriculum developer for science subjects and created quality learning materials for students.
- For extraordinary efforts and commitment a **performance bonus** was also awarded to me.
- Gained experience and efficiency in working in a **corporate** environment.
- For my extraordinary performance I was recalled for a summer internship to review the work done by fellow developers and polish their work.
- Gained invaluable experience and honed my expertise by working for two months.
- **RC Car:**
 - Fabricated a **wireless remote controlled car** that could race on a track avoiding the obstacles.
 - Used a **radio control transmitter receiver circuit** which was designed by our team of four members in the first year of graduation.
- **Robowars Tech GC:**
 - As a part of the hostel team, participated in the Technical General Championship.
 - Made remote controlled robot which can damage other competitor robot. Among all the hostels of the institute we secured the 2nd position.
- **UID project:**
 - Part of an institute-wide team that designed a program to store basic data of the students and reproduce it using the finger print of the student
 - Created a program to accept the data of the student along with the encrypted form of the finger print.
- **Line Follower:**
 - Designed an **autonomous** robot which could follow a given line using **ATMega 32** Micro-controller, **photo sensors** and applied PID control algorithm for navigation.
- **Smart Blinds:**
 - Fabricated a microcontroller based system that can automate window blinds. It used stored programme to control the movement of blinds using motors. It is revolutionary equipment and can be used for further commercial advancements.

AWARDS ANDS ACHIEVEMENTS

- Awarded hostel PAF Color for outstanding contribution to PAF 2011.

MAJOR COURSES UNDERTAKEN

- Introduction to computer programming.
- Introduction to industrial design.
- Water and wastewater engineering.
- Environmental management.
- Design of structures.
- Hydraulics/fluid mechanics.