

DHRUV KUMAR

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EDUCATION:

Year	Degree/Exam	Institute	Percentage
2008 – 2012	B.E. in <u>Polymer Science and Chemical Technology</u>	DELHI TECHNOLOGICAL UNIVERSITY (formerly Delhi College of Engineering)	69
2007	Class XII, C.B.S.E.	DELHI PUBLIC SCHOOL, R.K. PURAM , New Delhi	83
2005	Class X, C.B.S.E.	DELHI PUBLIC SCHOOL, NOIDA , U.P.	88.8

VENTURES:

- **The Next Big Step** (December, 2011 – Present)
 - Started this **non-profit venture** to help students overcome the problems faced by their seniors regarding **placements** and **higher studies**.
 - The methodology includes providing information through our website, conducting seminars, senior-junior interaction, interaction with industry professionals, **mentorship & grooming program**, etc.
 - The work involved developing a **website**, doing **class-to-class orientations**, making **presentations**, conducting **seminars** in front of **crowds** with strengths of **more than 400 participants**, dealing with **industry professionals** regarding **sponsorships and sessions**, etc.
- **GoGreen@DTU** (Chief Patron: Prof. P.B. Sharma, Vice Chancellor, DTU) (June, 2011 – Present)
 - **Founding member** of GoGreen@DTU, a student society at DTU, that aims to **make** the college **campus cleaner, greener and self-sustainable** by drawing attention towards all kinds of wastage, and provide solutions to control them.
 - The society has been given the responsibility to administer and provide help in the setting up of a **100 KW solar power plant**, a **kitchen-waste-to-Biogas plant** being set up in the college, **conduct surveys** in the campus, etc.
 - The **WORK INVOLVED** in starting this new society included making **drafts** and **presentations**, sending **bulk emails** and **messages**, preparing **docs** and **spreadsheets**, collecting, sorting and **managing data**, doing **class-to-class** orientations, **recruiting** about 100 members after proper **resume** based short listing and **interviews**, etc.

PROJECTS:

- **Rotaract Club of DTU Regency** (March, 2011 - Present)
 - **Founding member** of Rotaract Club, the college level club affiliated to the Rotary International. It is the first of its kind club dedicated to **social causes**.
 - The **WORK INVOLVED** doing **class-to-class** orientations, creating mass **awareness**, doing so-called “**odd jobs**” like **newspaper collection**, **clothes donation**, etc, and also successfully organizing the **most successful Blood Donation Camp** ever in the campus.
- **Centre for Organic Electronics** (February, 2011 – Present)
 - **Founding member** of the student team responsible for setting up the Centre for Organic Electronics at DTU.
 - Working on the fabrication of solution-processed thin film **Organic Solar Cells of Polymer Fullerene Bulk Heterojunction** type.
 - The **WORK INVOLVED** getting **funding** from the University, searching for & acquiring space for a **lab** and **setting** it up, **ordering** various **chemicals** and **instruments** after properly searching the market and their **storage & safety**, etc.
- **DCE Moonbuggy Team** (September, 2008 – July, 2009)
 - The project aimed at **designing and fabricating** a vehicle that could meet all the specifications and participate in the Great NASA Moonbuggy Race, 2009 and successfully complete an obstacle course.
 - Was a part of the **Materials Department** of the team.
 - Was the **driver** of the vehicle, and thus took part in the competition which was held in Huntsville, Alabama, USA.
 - The **WORK INVOLVED** **vehicle design using AutoCAD**, procuring the **best and cheapest parts**, working **long hours in workshops**, etc.

INTERNSHIPS:

- **Internship at Central Electronics Limited, Sahibabad** (December 5, 2011 – January 27, 2012)
 - Was assigned to work in the **Silicon based Solar Photovoltaics Division** and the **Ceramic based Piezo-materials Division**.
 - Saw and understood the production of solar cells on a mass scale and also that of piezo-materials used for defense applications.
 - Came face to face with the common problems faced in these departments, and even did my own bit by going through the internet extensively and providing suggestions for material and process improvement.

- **Internship at Indian Oil Corporation Limited, Panipat Refinery** (June 1, 2011 – July 8, 2011)
 - Was assigned to work in the **Purified Terephthalic Acid (PTA) plant** of the refinery.
 - Visited the whole PTA plant, and also the furnace and rotary drier.
 - Submitted a project on calculation of efficiencies of Fired Combustor Pre-heater, PTA drier and Rotary Vacuum Filter.
- **Internship at UFLEX Ltd., NOIDA** (June 28, 2010 – July 10, 2010)
 - Studied and visited the **Packaging Division** of the company.
 - This division included Art & Pre-Press, Cylinder, Engraving, Printing, Lamination, Pouching divisions among many others.
 - Acquainted myself with the day-to-day problems and their solutions in all these divisions.

POSITIONS OF RESPONSIBILITY:

- Founding member and **PRESIDENT** of GoGreen@DTU society.
- Currently **CO-LEADING** the project on development of organic solar cells at Delhi Technological University.
- Co-founder and **DIRECTOR OF STUDENT AFFAIRS** of Rotaract Club of DTU Regency.
- **PUBLIC RELATIONS AND PUBLICITY HEAD** for TATVA 2011, the annual technical fest of the Department of Applied Chemistry and Polymer Technology, Delhi Technological University.

ACHIEVEMENTS:

- Was as **one of the 10 students** chosen from our batch of 650+ people as '**High Achievers of the 2012 Batch**', a highly prestigious honor.
- Rank **1060 out of 80000** candidates appearing for DCE Combined Entrance Examination in 2008.
- Won a **SILVER** medal in 100 meter Butterfly event at the **CBSE National Swimming Meet**, 2005.

HOBBIES AND INTERESTS:

Swimming	Reading Books & Novels (generally fiction)
Computer Gaming	Watching Movies (primarily English)