

PRANAV CHOPRA

DATE OF BIRTH : 2nd March, 1984. CATEGORY: General
PRESENT ADDRESS : Room No 356 Mandakini Hostel
Indian Institute of Technology – Madras
Chennai – 600036
MOBILE : +91-9840290712
PERMANENT ADDRESS : BE-108, Janak Puri, New Delhi - 110058
PHONE : 011-25594950
EMAIL : pranav_chopra@rediffmail.com
URL : www.geocities.com/pc_pranavchopra

EDUCATIONAL QUALIFICATIONS

Degree & Branch	Institute / University	% / CGPA
Dual Degree in Mechanical Engineering with Masters in Product Design Minor Degree in Computational Solid Mechanics	Indian Institute of Technology- Madras	8.06/10
CBSE 12th standard	DPS RK Puram, New Delhi	87%
CBSE 10th standard	The Air Force School, New Delhi	83.4%

INTERNSHIPS/EXPERIENCE

Summer Intern (8 Weeks) *GIPLO, GE-Global Research(JFWTC)*
Bangalore, India *Summer 2005*

I was involved in the IPR analysis for various projects like Wind Energy Services Technology (Reliability and Life), High Speed Electrical Machines, and Wind Turbine Tower Damping.

I also completed Wind Energy Competitor Assessment update for GE Wind. My out of work endeavors led to the filing of an internal disclosure for a new method of wind turbine tower damping.

Summer Intern (8 weeks) *Hero Honda Motors Ltd*
Delhi, India *Summer 2004*

I was attached to the tool engineering department and was involved in Predictive and Preventive Tool Change and Total Preventive Maintenance (TPM) Activity on cylinder head machining line (shopfloor).

Assistant Trainee Engineer (4 weeks) *Vortex Engineering Pvt. Ltd*
Chennai, India *Winter 2003*

My work at Vortex Engineering was to research existing technology available in ATMs and hence help in designing a new low cost ATM for a rural customer.

Design Consultant: Design of Handicap Friendly Rail Coach (4 weeks) *Vidyasagar*
Chennai, India *Autumn 2003*

Worked with *Vidyasagar* (ex Spastics Society of India) to design a Handicap Friendly Rail Coach which will be adopted by the Indian railways.

WORKSHOPS

- Workshop on “Skills and Competencies of Successful Entrepreneurs” (10 days), Dept. of Management Studies IIT-Madras
- GE Foundation Leader Workshop 2005 (4 days), JFWTC

ACADEMIC PROJECTS UNDERTAKEN

Automated Pipe Crawling Robot Chennai, India

IIT-Madras
2005- now

I am currently working on developing a robot which will function as a carrier for the ultrasonic non-destructive testing scanning system, specific to scanning of pipes.

Product Architecture Chennai, India

IIT-Madras
Autumn 2004

I worked in a team of four to develop a complete product architecture which included Quality Functional Deployment (QFD), conceptual design and evaluation and embodiment design for eight products.

Dual Fuel Injection Systems Chennai, India

IIT-Madras
2004-2005

Simulated and designed a fuel injection system for methanol-diesel dual fuel CI engines.

Study of Material Properties of Bamboo Chennai, India

IIT-Madras
Autumn 2002

Study of material properties of Bamboo and Design of Joining Mechanism for Bamboo based structural elements involving the construction of a scale model demonstrating the same

POSITIONS OF RESPONSIBILITY

- Coordinator of **Automobile Workshop** at Shaastra2004 (ISO-9001 certified Annual Technical Festival of IIT-Madras) conducted in collaboration with Royal Enfield.
- Member of the Core Group responsible for conducting **Mechanica2004** (The technical festival of Mechanical Engineering Department)
- Student Secretary of Mechanical Engineers' Association of IIT-Madras.
- An enthusiastic member of the hostel literary and social activities, I have held the position of Treasure Hunt Captain for the Hostel

AWARDS

- Best Intern Award 2005, GIPLO-B, JFWTC General Electric
- Team award for Best Technical Project Proposal, GE Foundation Leader Workshop 2005, JFWTC. I was the Technical Leader of the team.
- Awarded the GE Foundation Leader Scholarship for 2005-2006
- Awarded first prize in **Engenious** – an on the spot design contest held at Shaastra 2003 (the technical festival of IIT Madras) for designing a Handicap Friendly Railway Coach

EXTRA-CURRICULAR ACTIVITIES

- **Skiing:** Completed a 7 day (non-certificate) course at Auli (Uttaranchal) organised by Gharwahal Mandal Vikas Nigam Ltd (GMVNL).
- **Trekking:** Undertaken many treks in lower Himalayas.
- Adventure sports