



Pritesh Mittal
Energy Systems Engineering
Indian Institute of Technology, Bombay

09D17014
UG Third Year(Dual Degree)
Male
DOB: 01-07-1992

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	8.40
Intermediate/+2	RBSE	Shivjyoti Sr. Sec. School	2008	86.67
Matriculation	RBSE	Tagore Children Academy	2006	94.33

Internship

Deutsche Bank Group, Mumbai, India (May-June 2011)

- Identified and worked on issues of **Report Automation** which resulted in **10%** more automated reports
- Pointed out the **inflation** in **capacity utilization** by analyzing **capacity modeling** & automation data
- Helped designed strategies for the **supply chain planning** of company resources
- Undertook independently root cause of various pain points during the project and suggested suitable remedial action

Key Academic Projects

CTARA Supervised Learning Project (Ongoing)

Topic: Study of Lake System in Thane District

- Developed the DPSIR(Driver, Pressure, State, Impact, Responses) Framework for the current lake and tank systems in Thane District
- Currently estimating the amount of carbon sequestered by the lake system

Remote Operated Switch (Jan-Apr, 2011)

- Designed a remote controlled switch which can be operated from a distance of 3 meters
- Implemented **Desired switching** in the remote and was able to show the mode of operation

Evaporative Air Cooler (Jan-Apr, 2010)

- Designed an air cooler which provides cool air without increasing the humidity of surrounding
- Used merely water as working coolant and steel pipes as heat exchanger

Unique Identification Device (Jul-Nov, 2009)

- Worked in a team of six students to develop a **fingerprint recognition** based identification system
- The **algorithm** returned a match if the input matched a database entry significantly
- Developed a GUI to implement this algorithm for class attendance

Relevant Courses

Management

Accounting & Finance - Human Resource Management - Economics - Intellectual Property Rights

Mathematics

Data Analysis & Interpretation - Linear Algebra - Differential Equations - Numerical analysis

Technical Courses

Computer Programming - Engineering Drawing - Electronics lab - Equipment design and control - Heat and mass transfer - Power Electronics and machines - Fluid Mechanics - Renewable Energy Technologies - Thermodynamics - Material Science for Energy Applications

Academic Achievements

- Secured All India Rank 1063 (out of 4, 00,000 students) in the IIT Joint Entrance Exam 2009
- Secured All India Rank 336 (out of 8, 00,000 students) in the AIEEE 2009
- Secured **9th Rank** (of 6, 00,000 students) in Rajasthan Board of Secondary Examinations
- Received awards by **Governor** and **Collector** for performance in Secondary examination
- Awarded Scholarships from Mamraj Aggarwal Foundation and Akhil Bharatiya Vidyarthi Parishad for Academic Excellence

Software Skills

Programming Languages: C++, HTML, CSS, Elementary VBA

Software Tool: SCILAB, Adobe Photoshop, SEQUEL, LATEX, Mathematica

Operating Systems: Linux, Microsoft Windows

MS Office: Excel, Word, PowerPoint

Positions of Responsibility

Coordinator - Mood Indigo (Hospitality, Food & Beverages Team) (2010)

- Successfully led a team of 10 students to bring in food sponsorship worth more than a lakh
- Developed proposals and negotiated with retailers including The Paratha House & Chaukhi Dhani

Social Events Secretary – Department of Energy Science (2010-11)

- Organized well received cultural & social events to foster interdepartmental interaction

Organizer - Mood Indigo (Marketing and Food & Beverages) (2009)

Technical Activities

Technical Analysis – Smart Grids

- Smart Grids utilize sensors to efficiently distribute electricity based on demand and availability
- Understood and compared it with present day electricity distribution systems

Tata Thermal Power Plant, Trombay

- Understood the functioning of various parts of a power plant in an industrial visit

Wireless Remote Controlled Car

- Designed the chassis and circuit for a wirelessly controlled car for a competition

Extra Curricular Activities

- Received **Hostel PAF Color** for the contributions in Fine Arts and Dancing in the hostel PAF(Institute's dance and drama festival)
- Member of the **winning team** of **Gyrations** (Inter Hostel Dance Competition)
- Stood **Second** in Freshizza's **Movie making Competition**
- Avid interest in Tennis and Cricket