



Mohammed Qamruzzaman
Mechanical Engineering
Indian Institute of Technology, Bombay
Specialization: Computer Aided Design (CAD) & Automation

09D10017
UG Third Year(Dual Degree)
Male
DOB: 01/03/1992

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	8.27
Intermediate/+2	CBSE Board	Kendriya Vidyalaya, ONGC, Panvel	2009	91.20
Matriculation	CBSE Board	Kendriya Vidyalaya, ONGC, Panvel	2007	92.00

SCHOLASTIC ACHIEVEMENTS

- Secured **All India Rank 585** out of 0.4 million students appeared in **IIT Joint Entrance Exam 2009**.
- Secured **All India Rank 1024** out of 0.7 million students appeared in **All India Engineering Entrance Exam 2009**.
- Secured **All India Rank 17** in **9th Junior Mathematics Olympiad 2006-2007**, organized by **Kendriya Vidyalaya Sangathan (Hqrs.)**, New Delhi.
- Participated in **Science Quiz for Radiation Awareness**, conducted by the **Government of India, Department of Atomic Energy** for the schools in Navi Mumbai Region on **25th and 26th November, 2006** at the **Advance Centre for Treatment, Research and Education in Cancer, Navi Mumbai**.
- Participated in the **7th National Science Olympiad** held on **2nd December, 2004** in **India and abroad**.

INDUSTRIAL TRAINING

Oil And Natural Gas Corporation, Uran Plant

15th May - 30th June 2011

- **Invaluable exposure** to the **operation, capabilities and technologies** of the plant which enable it to process crude oil & natural gas received from Mumbai Off-Shore and fulfil about **25% petroleum needs of India**.
- **Designed a Waste Heat Recovery Setup** by using a **Hydride Heat Engine** so as to extract work out of the waste heat of the flue gases produced in the **Gas-Turbines** after they have been passed through the **Boiler**. This increases the overall efficiency of the **Cogeneration-Unit** which produces about 60MW of electrical power and 75 tons/day of steam-both necessary for the functioning of the Plant.
- Received a **letter of appreciation** from **Mr.S.Debroy, Deputy General Manager, ONGC, Uran Plant, Uran**.

PROJECTS UNDERTAKEN

Material Selection of Guitar strings
(Course Project, Aug-Nov 2010)

(Under the guidance of **Prof. G.V.Prabhugaonkar**, Metallurgy and Materials Science Department)
Worked on the details of the metals/alloys required for the guitar strings and the various properties needed for producing music at different frequencies.

Unique User Identification using C++ (Course Project, Aug- Nov 2009)	(Under guidance of Prof. D B Phatak , senior faculty of CSE, IITB) Made a group project for unique user identification using finger print detection to be used for general purposes of attendance, conducting MCQ etc. using C++.
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POSITION OF RESPONSIBILITY

Coordinator of Loop Rush in Techfest 2011

- Sequentially and successfully executed the event with around 1000 students participating from colleges all over the India.

Organiser of Infrastructure in Techfest 2010

- Brought and managed various raw materials needed by the other departments of Techfest for its successful execution.

KEY COURSES UNDERTAKEN

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|-------------------------|--|
| • Thermodynamics | • Engineering Metallurgy |
| • Fluid Mechanics | • Manufacturing Processes |
| • Heat Transfer | • Workshop Practice |
| • Fluid Mechanics Lab | • Manufacturing Processes Lab |
| • Engineering Mechanics | • Industrial Engineering and Operational Research |
| • Solid Mechanics | • Rapid Product Development |
| • Strength of Materials | • Transportation Engineering |
| • Engineering Drawing | • Introduction to Electrical and Electronics Engineering |
| • Solid Mechanics Lab | |

SOFTWARE SKILLS

Programming Languages: C++, Java and SQL

Software: MATLAB and Scilab

Operating Systems: Microsoft Windows and Linux

EXTRA CURRICULAR

- Participated in **F1 Car making competition** held at **IIT Bombay** in **2009**.
- Done a basic course of **playing keyboard** in NSO, IIT Bombay.
- Played Keyboard in **Chashm-E-Nam (Performing Arts Festival 2011)** which stood **2nd** in Music.
- **Stood 2nd** in **Indian Music Band Competition** in **Freshieza 2009**.
- Played Music in **Surbahar(Live Indian Musical Concert at IITB)** in **2009** and **2010**
- Played Music in **Swarsandhya(Live Indian Classical Music Concert at IITB)** in **2010** and **2011**
- Played Keyboard in **Goonj (Inter-Hostel Music Band Competition)** in **2010**.
- Pursue self-interest in singing, playing keyboard, dancing, trekking, badminton, table tennis and gym.