



Manisha Gour
Metallurgical Engineering & Material Science
Indian Institute of Technology, Bombay
Specialization: -

100110050
UG Third Year (B.Tech.)
Female
DOB: 11/11/1990

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	7.22
Intermediate/+2	NCERT	St. Theresa's Girls' School, Bhopal	2010	78.20
Matriculation	NCERT	St. Theresa's Girls' School, Bhopal	2008	81.60

Scholastic Achievements

- Cleared **IIT-Joint Entrance Exam** in first attempt (2010)
- Cleared **All India Engineering Entrance Exam** in first attempt (2010)
- Secured 4th position at school in **International Mathematics Olympiad** (2009)
- Participated in **National Science Olympiad** at state level (2009)
- Recipient of **Kendra vidyalaya Scholarship** for appreciable academic performance in Sanskrit

Technical Skills

- **Software:** Photoshop and **MS office** 2003/2007/2010 (Word/Excel/ PowerPoint)
- **Programming Languages:** C++
- **Operating Systems:** Windows Xp/7, Linux (Ubuntu)

Course Projects

- Study of composition and properties of Die steel (spring semester 2012)
(Guide: Prof. P. Bhargava and Prof. Prasanna T.R.S., MEMS, IIT Bombay)
 - Characterised the material by performing various experimental techniques (Optical microscopy, X-ray diffraction, Hardness test, SEM & EDX, ICP-AES)
- Detailed study on Bridge Bandra-Worli Sea Link (autumn semester 2011)
(Guide: Prof. Narsimhan K., MEMS, IIT Bombay)
 - Prepared a presentation and 3-D model on Bandra-Worli Sea Link
 - Described *selection of materials* based on the requirements of the *bridge*
 - Studied the mechanics of materials involved in building the huge structure
- Materials used in manufacturing CONCORDE (spring semester 2011)
(Guide: Prof. Ajay Panwar, MEMS, IIT Bombay)
 - Made a 3-D model of Concorde
 - Described *selection of materials* based on the requirements of the *aircraft*
 - Displayed the distribution of the materials over the aircraft
- Detailed study on optical camouflage (spring semester 2011)
(Guide: Prof. Ajay Panwar, MEMS, IIT Bombay)
 - Studied and presented, describing its working and use in various fields
- C++ project (spring semester 2011)
(Guide: Prof. R.K.Joshi, CS department, IIT Bombay)
 - Developed a memory testing game with the help of c++ coding
 - Program performs arithmetic operations giving user three lifelines and time limit
- C++ project (2009- 2010)
(Guide: Mrs. Bini Santosh, Computer Science, St. Theresa's girls' school)
 - Coded a program in C++ which functions as an 'Library Management Software'

- The software issues books and keeps the records of all the books in the library
- It also took care about fines for late return and calculates the gross income

Internships

- **In-Sem intern done at Children Technology Workshop**, organisation with helps children to make robots. *(autumn semester 2011)*
 - Developed many robotic projects and quizzes for CTW Classes.
 - Learned the working of some robots.
- Project on **Study of sliver in IF steel** as **Vacation trainee** at **Tata Steel Plant**, Jamshedpur
(Guide: Manager Mr. Pabitra Palai, FPTG, Tata Steel) *(summer vacations 2012)*
 - Explored steel making, casting and CRM plant, its working and monitoring.
 - Collected data and analysed the possible reasons for sliver defect.

Position of Responsibility

- **Coordinator in Ecell**, (Entrepreneurship Cell, IIT Bombay) *(2012)*
 - Conducts Asia's biggest B-Plan competition eureka, e-garage, e-summit events
 - **Public relation**
 - Publicizing the events by contacting different universities and colleges to encourage enthusiasm among participants
 - **Operations**
 - Involves handling and managing the event
 - Dealing with companies, guest and other people
 - Helping other departments with their work
- **Coordinator in Techfest**, Asia's biggest technical college festival *(2012)*
 - **Hospitality**, organizing event with managers
 - Ensuring accommodation of all judges.
- **Organiser in Padarth**, annual fest of **Metallurgical Engineering & Materials Science, IIT Bombay** *(2011)*
 - Organized exhibition on recycling waste management and products made out of waste material
 - Involves organizing sessions with coordinators to encourage enthusiasm among people
 - Involves making different materials (solution on which we can walk, etc.) to be used during event

Extra Curricular Activities

- Was a member of IIT Bombay **girls volley ball team** which participated in 47th **Inter IIT Sports Meet** held at IIT Kharagpur *(2011)*
- Secured **second position** in **relay race competition** held at school level
- Secured **second position** in **volley ball match** held at school level
- Secured **third position** in **Hindi creative writing competition** held at school level
- Participated in **Padarth 2010**, the annual fest of Metallurgical and Materials Science, IIT Bombay
 - materials scavenger hunt (secured **third** position)
 - materials online quiz
 - go green T-shirt painting competition
- Participated in **Personality Development Program, NSS (National Service Scheme)** trips and events
 - visited very isolated and backward village (Khopoli), surveyed about their source of income and livelihood and suggested them some ways to develop their village and work in NGO
 - visited developed village (using modern cultivation system and watershed management system)
 - visited a brick plant