



Asha Kumari  
Metallurgical Engineering & Material Science  
Indian Institute of Technology, Bombay  
Specialization: -

100110063  
UG Third Year (B.Tech.)  
Female  
DOB: 04/11/1992

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	8.25
Intermediate/+2	C.B.S.E.	Army School Ambala Cantt Haryana	2009	92.60
Matriculation	C.B.S.E.	Army School Daulat Singh Marg Jhansi Cantt UP	2007	92.20

### SCHOLASTIC ACHIEVEMENTS

- Awarded **Captain Amit Ahuja Trophy** ,Cash incentive and **Certificate Of Merit** For securing **93.66 %** marks in **Non –Medical Stream** (2009)
- Awarded **Certificate Of Merit** by **C.B.S.E.** in **Physics** for being among the **top (0.1%)** of Successful candidates of **AISSCE 2009** (2009)
- Recipient of **Merit Cum Means(MCM) Scholarship** for Excellent Academic Performance In **IIT-Bombay**
- Awarded **Certificate Of Merit** and Cash incentive by **Army Welfare Education Society (AWES)** for securing **98 %** marks in **Physics** (2009)
- Qualified **8<sup>th</sup> National Science Olympiad ( AIR 1561)** (2006)
- Awarded **Pre Senior General knowledge Test certificate** (2004)
- Awarded **Certificates Of Merit** by **Army Welfare Education Society(AWES)** from class **9<sup>th</sup> -12<sup>th</sup>** for Excellent Academic Achievements (2006-09)

### POSITIONS OF RESPONSIBILITY

- Coordinator : Entrepreneurship Cell IIT Bombay** (2011-12)
  - Public Relations** : Encourage Entrepreneurship in students by contacting in Universities, promoting events like **Eureka** (2011) & **E-summit** (2012) through Social Medias & association with people
  - Operations** : Execution & handling of events & deals with food & beverage Partners for E-summit
- Coordinator : Hospitality ,Techfest 2012**, Asia's biggest technical college festival (2011-12)
  - Managed **Accommodation** of guests & participants
  - Lead a team of 7 organizers for cloak room ,assistant desk & accommodation desk
- Volunteer : Padarth 2011**, Annual festival of MEMS department, IIT Bombay (mar 2011)
  - Organised **Exhibition** on Recycling , Waste Management & Products made out Of Waste Materials
  - Organised the workshop ( **Walk on Water** ) : A liquid that bounces , water that You can walk on and a fluid that dances

### INTERNSHIPS & TRAININGS

- Vacation training at **TATA STEEL Ltd., Jamshedpur** ( May-June 2012)
  - Project : Study of Sliver in Interstitial Free Steel
  - Industrial Visit : Steel Making, Steel Casting & CRM Plants
- In-Sem Internship at **Children's Technology Workshop** (spring 2012)
  - Worked on creating a Learner Management System
    - Created content, SCORM compliant PowerPoint Presentations, Animations and supported rendering of the content.

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## WORK EXPERIENCE

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- Worked in Operation dept & Observed Agency expansion work at **Max New York Life** (*Dec 2011*)

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## TECHNICAL SKILLS

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- **Programming Languages** : C++
- **Software** : Adobe Photoshop ,Ms Office (Word ,Excel, Power Point)
- **Operating Systems** : Windows , Linux (Ubuntu)

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## ACADEMIC PROJECTS

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- Study of **Composition & Properties of Die Steel** (*spring 2012*)  
(Guide: Prof. Parag Bhargava & Prof. Prasanna T.R.S., MEMS, IIT Bombay)
  - Performed and Presented on ICP-AES, SEM, EDAX, Hardness test, XRD & Phase Analysis
- **Structural/Mechanical aspects of Burj Al Arab** (*autumn 2011*)  
(Guide: Prof. Narsimhan K., MEMS, IIT Bombay)
  - Made 3-D model
  - Presented on construction process & structural types of Burj Al Arab
- **Materials Used In Manufacturing Concorde** : (*spring 2011*)  
(Guide: Prof. Ajay Panwar, MEMS, IIT Bombay)
  - Team of 4 members made a 3-D model
  - Described selection of materials based on requirement of Concorde ( A super-sonic airliner able to cruise at twice the speed of sound)
  - Described distribution of materials in different parts of Aircraft
- **C++ Project (Memory Testing Game)** : (*spring 2011*)  
(Guide: Prof. R. K. Joshi, Computer Science & Engineering IIT Bombay)
  - Perform Arithmetic Operations giving user 5 levels
  - Time limit which changes with levels & 3 lifelines
- Study of **Carbon Nanotube**: (*spring 2011*)  
(Guide: Prof. Ajay Panwar, MEMS, IIT Bombay)
  - Presented on Structure ,Properties , Synthesis ,Applications & Defects of Carbon Nanotube

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## EXTRA CURRICULAR ACTIVITIES

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- **Padarth 2011:**
  - **The Materials Scavenger Hunt competition** : **3<sup>rd</sup> position** in team of 3 members
  - Participated in Materials Quest : **online Quiz** & Go Green-**T-Shirt colouring** competitions
- **Social responsibility**
  - Attended **2 National Service Scheme (NSS) Trips** :
    - Visited a **NGO “Rural Communes”** near Khopoli
      - show a brick manufacturing plant made by villagers with help of this NGO
      - collected seeds of trees from there which were used for raising **Tree Nursery** in IIT Bombay
      - show the watershed management
    - Visited a **very backward village** (Vihigaon)
      - exposure to life in typical Indian villages like their source of earnings, Assistance from Government ,access to education and upbringing of kids
  - Attended Personality Development Programmes (**PDP**) in NSS