



Parul Purwar
Engineering Physics
Indian Institute of Technology, Bombay
Specialization: Nanoscience

10D260008
UG Second Year
Female
DOB: 25.08.1992

Examination	University	Institute	Year	CPI / %
SCHOLASTIC ACHIEVEMENTS				
Graduation	IIT Bombay	IIT Bombay	2012	7.86
Intermediate/+2	St. John's Senior Secondary	2010	91.60	Matriculation
<ul style="list-style-type: none"> Secured an All India Rank - 1055 in IIT-JEE '10 given by 2,50,000 aspirants Awarded a certificate of merit and a gold medal in the National Mathematics Olympiad Contest 2009. Awarded a certificate of merit in science for National Science Olympiad in 2007. Secured an AIEEE rank of 1415 in 2010 out of the 5,00,000 aspirants Secured an AIR of 77 in the exam the ISAT 2012. 				

INTERNSHIPS

Aravali Foundation for Education (NGO)

[Dec '11]

Organised the 9th Vacation Program on Environmental Resources

- Researched and wrote a booklet on Delhi's environmental Concerns
- Organised the Inaugural Function for the 9th VPER which was chaired by Sh. Keshav Chandra (secretary of Ministry of Environment and Forestry)
- Designed the web pages and website for CUGS 2012 and VPER

Indian Credit Rating Agency, Gurgaon

[May '11–Jun '11]

Comparison of cost structure of gas production from coal gasification, CBM and Natural gas extraction

- Studied the production methods for natural gas from Coal Bed Methane , Underground Coal
- Gasification and Natural Gas extraction
- Analysed ONGC and IOL reports and interacted with the managers of respective companies for costing details.
- Compared the costs for the three different processes depending on the initial conditions of the working site and estimated amount of trapped gas.

ACADEMIC PROJECTS

Underground Coal Gasification (In semester project)

[Feb '11–Dec '11]

- Designed and carried out an experiment to calculate the thermal conductivity for coal.
- Helped in stimulation for underground coal gasification.

Analysis of Ultrafast laser Pulses (In semester project)

[Dec '11–Present]

- Generating waveforms for shorter pulses.
- Calculating autocorrelation, the spectrum and getting the phase retrieval using nonlinear optics

Advertising and Persuasion (In semester project)

[Dec '11–Present]

- Working on models for game theory and competitive advertising

C++ Project.

- Developed a program for indefinite integration using FLTK and C++.

TECHNICAL SKILLS

- Programming Language: C++,C, HTML
- Software Proficiency: Microsoft Office, Photoshop , Illustrator and AutoCAD
- Operating System: Windows, Linux

POSITIONS OF RESPONSIBILITY

Maintenance Secretary, Hostel 10

[Feb '11–Present]

- Part of a 5 membered Maintenance council.
- Responsible for the maintenance and upkeep of the hostel which consists of more than 500 students.
- Planned and executed a system to increase hygiene and cleanliness in the hostel.
- Organized Enthuse in the hostel, an initiative by IIT Bombay to encourage research among students.
- Planning and execution of hostel valfi which saw a huge turnout.

ASMP Team Member, SARC

[Aug '11–Present]

- Working in a two tiered team of five for Alumni Student Mentorship Program.
- Initiated and organized the third phase of this program, currently in progress.
- Introduced a new procedure for allotment of students and mentors to facilitate better interaction among students and their mentor.
- Conceptualized the Student Alumni Meet as a platform for student and alumni networking.
- Participated in Phonathon. It's an initiative to contact with IIT Bombay alumni.

Techfest Organiser

[Dec '10–Jan '11]

- Part of the Exhibitions team which showcased the technologies of the times of ancient civilisations to the modern out of the box innovations.
- Responsible for the “Touch the Invisibles” (an interface for connecting digital and real worlds)
- exhibit
- Introduced a way for effective crowd management in the International Exhibitions hanger.

Techfest Coordinator

[May '11–Present]

- Responsible for inviting and convincing exhibitors from across the world to participate in
- Techfest 2012, IIT Bombay.
- Assuring proper hospitality to the exhibitors.

E Cell Organiser

[March '11]

- Part of the team which organised E- Summit, the annual flagship event of The Entrepreneurship Cell

EXTRA CURRICULAR ACTIVITIES AND INTERESTS

- Taken part in various tech related competitions such as aero modelling and line follower.
- Interested in Badminton and horse Riding
- Play the flute and Casio
- Good with sketching and editing
- Working knowledge of French