



Surbhi Mundra
Electrical Engineering
Indian Institute of Technology, Bombay
Specialization: Communication & Signal Processing

09D07038
UG Third Year(Dual Degree)
Female
DOB: 07/02/1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	9.22

SCHOLASTIC ACHIEVEMENTS	
	<ul style="list-style-type: none"> - AIR 286 in general category in IIT-JEE 2009, AIR 174 and state rank 37 in AIEEE 2009, Rank 2 in RPET 2009 (Rajasthan Pre Engineering Test) - Currently receiving institute MCM (Merit cum means) scholarship - Teaching assistantship under Prof. Subhabrata Dhar, IIT Bombay
INTERNSHIP AND ACADEMIC PROJECTS	
Siemens Ltd – IIA CE CP BD [Mar – Jul 2011]	<ul style="list-style-type: none"> - Used Visual Basic to revamp modules for selection and database generation of non standard switchgear selection for different voltages, starting time and product combination. - Designed and coded HTML page on which latest updates from business development will be communicated to sales colleagues with interactive links. - Studied and implemented various marketing concepts for marketing of Siemens switchgear products.
Finger print recognition program	- The project involved use of mathematical and coding techniques to develop a program using C++ in Linux environment that can be used to detect fingerprints for security purpose.
Digital security lock	- Conceptualized an on-board circuit of a number lock using basic building blocks of digital electronics. It also involved testing the circuit in iverilog, a software which tests working of digital circuits.
Market analysis of Cadbury	- Analyzed marketing environment of Cadbury using SWOT analysis, 4Ps and PESTAL analysis. Project also involved suggesting of new product, along with its designing, tagline, target market and marketing.
ACADEMICS AND ADDITIONAL LEARNING	
Core courses	Introduction to Electronics and Electrical Systems, Electronic Devices & Circuits, Microprocessors, Network Theory, Probability and Random Processes, Signals and Systems, Communication systems,
Additional courses	Computer Programming and Utilization, Data Analysis and Interpretation, Computer added geometric design, Psychology, Marketing Management, Human resource management, Accounting and finance
Languages	C, C++, HTML, JAVA, Visual basic
Softwares	Verilog, MATLAB, Scilab, Latex, Photoshop, PHP, MY-SQL, ng-spice
POSITIONS OF RESPONSIBILITY	
System Administrator Hostel 10, IIT Bombay [2011-12]	<ul style="list-style-type: none"> - Ensuring efficient working of hostel network system and timely addressal of all - complaints. - Spearheading the spread of knowledge about various assistances given by computer centre to the institute residents and workshops held for technical skills from time to time.
Department Academic Mentor [2011-12]	<ul style="list-style-type: none"> - Nominated as one of the department academic student mentors to provide guidance to junior students regarding academics. - Coordinating with faculties in spotting and handling cases like academic disinclination and depression
Editor, Aawaaz [2011-12]	- Responsible for the conceptualization, publication and distribution of the monthly institute Hindi newsletter – Aawaaz
Computer Secretary – H 10, IIT Bombay [2010-11]	<ul style="list-style-type: none"> - Hold workshops on various computer skills in hostel. - Undertook responsibility of maintaining two computer rooms and internet connections of hostel.
ACCOLADES AND EXTRACURRICULAR ACTIVITIES	
Technical Activities	<ul style="list-style-type: none"> - Won first prize in Technical Design Challenge held by IITB technical group. - Work Visits – DAKC (Dhirubhai Ambani Knowledge Centre) Suzlon (Wind energy farm near Pune) - Participated in “Rachna” the national conference on Education in VJTI. - Participation Certificate of developing Technical skills like MATLAB, Latex, Shell Scripting, Web Development and Microcontrollers.
Cultural Activities	<ul style="list-style-type: none"> - Received PAF Person of the year award for dedication towards the biggest cultural event of PAF (Performing Arts Festival 2009). - Member of core group of Vaani, Hindi club of IIT Bombay. - Member of RANG and Pixels, the fine arts and photography club of IITB. - Represented hostel in various cultural GCs. - Participated in Sophie Prod, the dramatic event of 2nd year students. - Have an avid interest in Journalism and Yoga
Social Responsibilities	<ul style="list-style-type: none"> - Volunteering for UDAAN (An Aerospace Engineering Dept, IITB initiative) - Revived TEACH ME (An initiative by institute girls for educating slum girls)