



Kriti Bhargava
Civil Engineering
Indian Institute of Technology, Bombay

08004033
UG Third Year (B.Tech.)
Female
DOB: 16 March 1989

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	8.12
Intermediate/+2	C.B.S.E.	St. Anselm's Pink City Sr. Sec. School	2007	91.80
Matriculation	C.B.S.E.	St. Anselm's Pink City Sr. Sec. School	2005	89.40

SCHOLASTIC ACHIEVEMENTS

- Pursuing **Minors** in Department of **Energy Science and Engineering** at IIT Bombay
- Secured an All India Rank of 1324(**top 0.5%**) in IIT-JEE-2008
- Selected among the **top 0.1%** of the **0.4 million students** appeared for the AIEEE 2008
- Rewarded for academic excellence during the higher secondary studies

RESEARCH PROJECTS

S.No.	Title	Supervisor
1	Evaluation of active tectonics in the Teesta river basin using geomorphic indices and remote sensing [ongoing]	Prof. D. Ramakrishnan Earth Sciences ,(IIT Bombay)
	The project work is oriented to evaluate neo-tectonics in the Teesta river basin, located in the active Himalayan Thrust Belt. Basic target has been to identify geomorphic anomalies like SL index, basin convexity, asymmetry factor etc. and their convergence with regional faults from Aster DEM images and Toposheet using ERDAS Imagine and Arc-GIS softwares that itself locates the zone of active tectonics.	

ACADEMIC COURSE PROJECTS

S.No.	Title	Supervisor
1	Environmental impacts and Economics of Energy-efficient buildings (MINOR) [July-Nov 2010]	Prof. Anuradha Ganesh ESE ,(IIT Bombay)
	Studied about the energy efficient buildings, environmental concerns and the economics. Analyzed the economics of water harvesting techniques in hostels and calculated the payback period for the same.	
2	Energy Audit for Institute's Hostel Mess (MINOR) [Jan-April 2010]	Prof. Anuradha Ganesh ESE ,(IIT Bombay)
	Did detailed analysis of energy consumption of boiling system and suggested possible methods for improvement in energy efficiency.	
3	An Optimized Tum-Tum Bus Route Simulator for IIT Bombay Campus. [July- Nov2008]	Prof. Abhiram Ranade CSE ,(IIT Bombay)
	The software comprises of the canvas which was generated using the basic Visual C++ and the route identification and sketching and the optimization of the routes was done using the fundamental principles of the links, stacks & queues and some other basic programming algorithms and schemes.	
4	Detailed Marketing Analysis of the Beverage Industries Across the Globe [July- Nov2008]	Prof. H. Gundimeda HSS ,(IIT Bombay)
	The project was based on the market study of the various beverage companies in the world and to do a market analysis for the share of each company over a period of past few decades. The study focused on the net sales.	

RELEVANT COURSES

- **Core Courses:** Introduction to Civil Engineering, Mechanics of Solids, Fluid Mechanics, Structural Mechanics, Hydraulics, Soil Mechanics, Design of Structures, Transportation Engineering, Applied Rock Mechanics for River Valley Projects
- **Mathematics Courses:** Data Analysis and Interpretation, Integral Calculus and Differential equations, Matrix algebra and application, Probability theory and application
- **Non-Core Courses:** Engineering Psychology, Computer Programming and Utilization, Environmental Science, Overview of Macro and Micro Economics, Introduction to Electrical Engineering, Electricity and Magnetism
- **Lab and Design Courses:** Workshop Practices, Experimentation and measurements lab, Fluid Mechanics Lab, Solid Mechanics Lab, Hydraulics Lab, Geodesy and Surveying, Soil Mechanics Lab, Engineering Graphics and Drawing, Machine Drawing, Design of Structures Lab
- **MINOR COURSES:** Energy Resource Environment and Economics, Industrial Energy Management, Renewable Energy resources

SOFT SKILLS

- **Programming Languages:** C, C++, Visual C++, HTML, SQL
- **Operating Systems:** Windows (all versions), Linux, Mac OS
- **Softwares:** ERDAS Imagine and Arc-GIS

POSITIONS OF RESPONSIBILITY

CORE TEAM MEMBER, Student Alumni Relations Cell

[March 2010-Present]

Led a two tier team consisting of over 40 volunteers, responsible for building the relationships between alumni and students of IIT Bombay

- **US Phonathon:**
 - Scheduled and organized Phonathon, alumni outreach program with the aim to connect with the alumni, raise funds, get internship opportunities and also inviting them for Alumni Student Mentorship Program
 - Trained volunteering teams to pull off successful reconnection with over 800 alumni in US
 - Conducted analysis, follow up, feedback and other data post processing work in a structured manner
 - Conceptualized the requirements of the Phonathon Interface and worked in close coordination with the web team to implement the same
- **Initiatives:**
 - **Make Hostel My Home:** Streamlined the program structure by assisting the alumni, developing the protocols and launched the program successfully in all the hostels
 - **Searchathon:** Launched a drive to update the institute alumni database and found 35 lost souls over a period of 10 days
 - **Hostel Reunions:** Planned and conducted, for the first time in the history of IIT Bombay, Hostel Reunions in 10 hostels simultaneously. Biggest alumni event in campus till now with 450 alumni Participation.
- **Other Events:**
 - **I-Race:** Organized the iconic race of IITB, that is held simultaneously in cities across the globe, attracting over 1300 participants thrice. Race model involved one against their best performance attainable
 - **Alumni Reunions:** Organized reunions of the Class of 1985 attended by over 500 alumni

HOSTEL SECRETARY: Computer Systems and Network

[March 2009-March 2010]

- Was responsible for the smooth functioning of LAN in 250 rooms of the hostels
- Was the incharge of the hostel computer room and got 4 new desktops sanctioned for the same from Computer Centre
- Involved in pre commissioning and commissioning of the whole LAN and hub in the new hostel

CO-ORDINATOR: Public Relations and Corporate Relations, E-CELL

[March 2009-March 2010]

- Contacted over 120 college bodies to publicize Eureka: Asia's largest B Plan competition and E-Summit
- Coordinated the whole registration process of over 700 students from 32 colleges from all over India
- Was a part of publicity campaign for Eureka and E-Summit and handled online media partnerships

EXTRA-CURRICULAR ACTIVITIES

- Secured **third** position in Inter Hostel Group **Dance Competition** in Freshizza
- Awarded **Second** Position in **Collage Making** Competition in Freshizza
- Was an active participant of Inter and Intra School **Dance Competitions** in school, and won various awards for same
- Participated in **Phonathons** (Calling Alumni), IX and X, held in IIT Bombay
- Organizer of **Informal Events** team in Asia's largest college cultural fest **Mood Indigo**

SOCIAL SERVICES

- Associated with **Art Of Living** the youth empowerment program – **YES +** for 3 years
- Participated in the **Rural Development Program** for the promotion of smokeless chulhas
- Part of the **NSS** team, 2008 of IIT Bombay

HOBBIES

- Reading about human psychology, world history and astrology
- Fine arts and photography
- Dance