



Swati Kharole  
Chemical Engineering  
Indian Institute of Technology, Bombay  
Specialization: Chemical Engineering (B.tech)

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UG Third Year (B.Tech.)  
Female  
DOB: 31/08/1993

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2013	7.34

#### INTERNSHIPS AND PROJECTS

STUDENT AMBASSADOR EDFORA PVT LTD (EDUCATION FOR ALL) (May-Jul'12)

Comprehensive design of 'Knowledge Tree', a guide for teachers to create video lectures

- Worked in a team of 30, working in Mumbai to build new paradigm of learning in India
- Conducted **innovative outreach programs** to identify potential teachers; convinced **120+ teachers** to contribute for **free video lectures**
- Created over **250 video lectures** which is freely available for students on website

MULTI-VILLAGE WATER SUPPLY SCHEME OF Khardi UNDER CTARA (Aug-Dec 2012)

Guide: Prof Milind Sohoni, (Computer Science and Engineering Department, IITB)

- Analyzed the working of **Multi-village scheme** contributing to the development of the bottom 80% of India
- Introduced techno-social solution to solve water scarcity problem of more than **12000** people of Khardi
- Descriptive report of project handed to Maharashtra Jeevan Pradhikaran (MJP) for the design of new scheme

STATIC AND DYNAMIC SURFACE TENSION OF SURFACTANT SOLUTION (May-Jul2012)

Guide: Prof. V.A. Juvekar, (Chemical Engineering Department, IITB)

- Experimented intricate methods to quantify the surface tension values of surfactants solutions
- Reciprocated the results & prepared a complete datasheet containing tension values of surfactants
- Presented project in **UG research symposium 2012**, IIT Bombay

#### LEADERSHIP AND POSITION OF RESPONSIBILITY

CAPTAIN OF INSTITUTE GIRLS ATHLETICS TEAM, IITB (Dec'11-Tilldate)

- Revolutionized girls athletics in the institute, breaking into top second on ranking after a gap of 5 years
- Counseled in Inter IIT selection trials and achieved **60% increase** in participation of girls
- Spearheaded the team in **47<sup>th</sup> & 48<sup>th</sup> Inter IIT Sports Meet** to secure **3<sup>rd</sup> & 2<sup>nd</sup>** position in overall championship

MATERIAL IN CHARGE, PAF'12 (Feb-April'12)

- Part of 24 member team to organize PAF'12 with a total budget of **INR 1,50,000**
- Account management and purchased all the material stuffs required to organize PAF
- PAF secured **2<sup>nd</sup> position** and personally awarded as **Best In-charge** for excellence enthusiasm & dedication

COORDINATOR: COMPETITIONS, TECHFEST '12 (Aug'11-Jan'12)

- Spearheaded a team of 15 organizers for organizing two competitions
- **30% increase** in participation compared to previous year by mentoring all the participants from time-to-time

#### ACCOLADES

- Represented IIT Bombay at **3 Inter IIT Sports Meet**, 2010,2011 and 2012 as a part of Athletics Team
- Consistently bagged medals (1 Gold, 1 Silver and 2 Bronze) in INTER IIT Sports meets,2010-12
- **Institute Special Mention**, Sports (Awarded to 8 students in the institute),2011
- **Gold medals** in 400m and Cross country races in inter hostel **General Championship**,2011
- Won Athletics Championship for the Hostel in 2011 (**Captain**) bagging **3 Gold** and **1 Silver** medals
- Finished **1<sup>st</sup>** in the Freshman, Sophomore and Inter Hostel Cross Country races (3.2 km)
- Certified by **Limca Book of Records** being part in IITB Rubik's Cube mass participation organized by IITB, 2012
- **Silver medal** in "Jawaharlal Nehru Science Exhibition", 2007