



Pavitra Sharma
Center for Technology Alternatives for Rural Areas
Indian Institute of Technology, Bombay
Specialization: Technology and Development

113350011
M.Tech.
Female
DOB: 14/09/1988

Examination	University	Institute	Year	CPI / %
Post Graduation	IIT Bombay	IIT Bombay	2012	7.92
Undergraduate Specialization: Biotechnology				
Graduation	Lovely Professional University	Lovely Professional University	2011	9.05
Intermediate/+2	Kendriya Vidyalaya	CBSE	2006	80.40
Matriculation	Jai Mann Public School	CBSE	2004	90.80

SCHOLARISTIC ACHIEVEMENTS

- Awarded University Honour Role for excellent academic performance. [2009-10]
- Awarded merit certificate for poster presentation entitled "DNA Vaccine-A Novel Approach Towards Immunisation" In House Seminar on "Biotechnology: The Go Ahead" [2010]
- First prize – English Declamation Zonal (Delhi School Sports and Activities Board) [2003-04]
- Got BEST STUDENT award. [2002-03]

INTERNSHIP

10 week field stay in Jamasindh, Madhya Pradesh (a watershed work implementation site)

[May, 2012- July 2012]

- Studied overall dynamics using social research methods and tools (like preparing questionnaire, interview and PRA tools), a team of 2 students
- Socio-cultural, economic and energy aspects of village were studied and analysed.
- Directed Research on water scenario in the village.
- Developed Water Balance Model and Water Distribution using Vensim.
- Handled a data of more than a 100 households covering 150 aspects for each.

One month internship at Environment management Centre

[Dec, 2011]

- 30 case studies analysis and develop a business model for renewable energy access in rural India.
- Presented at RuDiCON, organised by Indian Merchant Chamber, Mumbai.

Got Selected for All India summer research programme held at School of Life Sciences, JNU, and New Delhi and supported by UGC

[May, 2009-August, 2009]

- Isolation and characterization of pSD2
- Techniques used- Bacterial culture, Plasmid isolation, DNA digestion and ligation, Transformation, Gel Electrophoresis

Dissertation (5months) at INMAS (Institute of Nuclear and Medicine Allied Sciences) and worked with Mesenchymal Stem Cells at Stem Cell and Research department

[Jan, 2011-June, 2012]

- Techniques used- Animal tissue culture, DNA isolation, RNA isolation, protein Isolation, SDS PAGE, Western Blotting, RNA Quantification

Courses taken in Bachelor of Technology

- Stock market operations and Conflict management
- Legal Awareness as

Courses taken in Master of Technology

- Waste to energy
- Environment planning development
- Project management

KNOWN AREA

Introduction and applications of Patent, Design Rights, Copyright, Trademarks and patinformatics

ACADEMIC PROJECTS

- Post Graduation project “Beneficiation of waste from food processing industry” [2012-present]**
- Energy audit of a rural village “Mechkarwadi” [2012]**
- Analysed Energy dynamics of 80 households consisting of all aspects
- Appropriate Technology Project on “Understanding cottage industry” [2011]**
- Visit to 6 cottage industry in Pen District.
 - Understanding organisational structure, financial structure and marketing strategy.
- Waste to energy project- Design of Gasifier and Biogas plant for given amount of waste**
- Project on “Estimation of Aesthetic value of Sanjay Gandhi National Park using Hedonic Method”**
- Conducted survey in SGNP and nearby colony, a team of 4 student [2011]
 - Informal interaction and structured Interview of residents and property dealer in the nearby area to know whether the aesthetic value of BNP influences the determination of the property prices in the surrounding.
 - Data analysis using STATA version 8
- Seminar on “Cost Benefit Analysis of a development project” [2011]**
- Analysed and presented various methods for Cost Benefit Analysis of a development project.

POSITION OF RESPONSIBILITY

- Company Coordinator, Institute Placement Team, Placement Cell IIT Bombay [July2011-present]**
- To contact new companies and establishing placement terms with them like Kadam environment consultants.
 - Convincing companies (new and past recruiter) for campus placement at IITB.
 - Persuaded and bring 7 new firms for internship like Bridge to India, Greenlight Planet
 - Liaising with 6 Placement Managers, 1 Internship Placement Manager, 37 Company coordinator, 46 Department Placement Coordinators and companies
 - Organising pre placement talks, interview tests for placement
- Campus Ambassador for Teach for India- IIT B Chapter**
- Motivating and selecting High Potential Candidate for fellowship and commit to TFI’s mission.

EXTRA-CURRICULAR ACTIVITY

- Selected as Miss Fresher in batch of 120 students. [2007]
- First prize - English Recitation Zonal (Delhi School Sports and Activities Board) [2003-04]
- Bronze prize- Avantika International Talent Search Panting Competition [2003]
- Gold prize – Avantika International Talent Search Essay Competition. [2002]

ABOUT ME

Born and brought up in a village from a reserved middle class family. My mother has been my teacher guiding me in tough and challenging environment with limited resources. Making her dreams come true through me. She is a source of inspiration. She is a strong, determined and practical lady and a wonderful mother. One day she asked what are you doing in your graduation? I told her studying biotechnology. She said that’s ok, but what are you doing!!! That question made immense impact on me. Getting into IIT B is a privilege. Serving the communities and making environment sustainable with the development agenda as reference is my goal.