



Shrikrishna Kotkar
Mechanical Engineering
Indian Institute of Technology, Bombay
Specialization: Computer Integrated Manufacturing

07D10020
Dual Degree (B.Tech+M.Tech.)
Male
DOB: 01/01/1990

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	8.05

SCHOLASTIC ACHIEVEMENTS

- Recipient of the **NTSE Scholarship** by the Govt. of India (1,000 awardees from over 150,000 candidates) 2005
- Ranked **6th** in **Physics Olympiad** in junior category held at IIT Bombay 2006
- Among **top 1% of 40,000** examinees in **National Chemistry Olympiad** 2007

POSITIONS OF RESPONSIBILITY

Founding Member, Practical Training Cell Jul '09-Apr '10

Part of a 23-member team streamlining internship recruitment process for companies and foreign universities

- Achieved **100% placement (YOY 400% growth)** in Mechanical Department
- Secured **39 new recruiters** (9 foreign universities + 30 companies) through centralized communication system
- Constituted a transparent internship policy with student feedback, ensuring maximum participation
- Awarded '**Institute Organisational Colour**' for exceptional performance, given to only **0.1% of 5000** students

Head, Department Academic Mentorship Programme Apr '11-Present

*Leading a team of 18 mentors to **counsel 300+ students** in dept. with special focus on **guiding 60 under-performers***

- Initiated an **in-semester performance review** for advance identification of potential back-loggers
- Promoted real-world perspective in courses by introducing an **academic blog** with novel online resources
- Introduced software workshops and summer projects to **promote research** and build student-faculty rapport

INDUSTRIAL EXPERIENCE

CTARA, IIT Bombay | *Prices of Medical Supplies in India* Apr '11-Present

- **Authored research paper** "Drug pricing in India - A critical study" in initial phases for publication
- Analyzed pricing of **1000+ drugs** identifying consumer ignorance as key factor in high drug prices
- Advocated **govt. policy changes** such as restricting retail margin on surgical items to **reduce price by 30%**
- Working with **Consumer Guidance Society of India** to revamp policies and increase consumer awareness

Bekaert Industries - Steel Cord Plant, Pune | *Tensile Tester Rectification* May '09-Jul '09

- Performed **Root Cause Analysis** for tester defects and **designed experiments** to calculate load transmission
- Integrated electronic proxy settings, **eliminating losses** through human error
- Implemented **KAIZEN** for clamp material, achieving **60% reduction** in cord slippage instances

KEY ACADEMIC PROJECTS

Dual Degree Dissertation | *Decision Support System for Warranty Management* Jan '11-Present

- Analyzed role and importance of warranty in product design, production decisions and marketing
- Developing a **product support algorithm** aimed at reducing firm's **After-Sales Service cost by 5-10%**

Collaborative Engineering | *Sustainable Transport for Futuristic Vertical City* Jan '11-Apr '11

- Applied (**AHP**) Analytical Hierarchy Process to obtain the best design out of 5 feasible designs
- Performed (**FMEA**) **Failure Modes Effect Analysis** and used the results to develop the model in SolidWorks
- Adjudged **2nd best among 15 designs** based on productivity and eco-friendliness of the proposed model

EXTRA-CURRICULAR ACTIVITIES

- Developed **sustainable living guide** 'Prayatna' for (**IYCN**) Indian Youth Climate Network 2011
- **Teaching underprivileged children** at 'Vidya' (NGO) emphasizing on continuation of education 2007-11
- **Published several articles** for 'MEME' - the Mechanical Department Newsletter 2008-11
- Designed and created the set for Performing Arts Festival (PAF) as **Production In-charge** 2008-11
- Worked as '**Hostel 5 Maintenance Secretary**' and '**Techfest Coordinator** - Robotics Competition' 2008-09