



Darshan Mandge
Biosciences & Bioengineering
Indian Institute of Technology, Bombay
Specialization: Biomedical Engineering

113300027
M.Tech.
Male
DOB: 18 April 1988

Examination	University	Institute	Year	CPI / %
Post Graduation	IIT Bombay	IIT Bombay	2012	8.28
Undergraduate Specialization: B.Tech-Biomedical Engineering				
Graduation	NIT Raipur	NIT Raipur	2010	8.16

WORK EXPERIENCE/RESPONSIBILITY

- **Programmer Analyst Trainee** MarketRx-A Cognizant Company **Sept '10 – Jul '11**
- Business Analysis in Market Research Domain
- **Teaching Assistant** IIT Bombay **Jul '12 onwards**
- Assisting in the graduate course on Virtual Instrumentation in Biomedical Engineering
- **Volunteer** Generations (Annual fest of BSBE, IIT Bombay) **Jan '12**
- Synergized with members of organising committee

KEY ACADEMIC PROJECTS/TRAININGS

- M. Tech Project: Guide: Prof. Rohit Manchanda **May '12 onwards**
Modeling of Central Neural Networks Controlling Urinary Bladder Function
- Evaluating complexity of neural control & developing a mathematical model
- B. Tech Major Project: Guide: Prof. Pritish Ranjan **Jan '10 – May '10**
Non-Invasive Urinary Bladder Volume Detector: Use in Hospitalised/Paralysed Patients
- Analyzed the problem of incontinence & built a test prototype
- B.Tech Minor Project: Guide: Prof. Pritish Ranjan **Jul '09 – Dec '09**
Biomedical Waste Management
- Surveyed hospitals and studied treatment facilities for waste disposal
- Training in Electrical & Electronics Division of **Larson & Toubro Limited, Mysore** **Jun '09**
- Studied Medical devices manufacturing unit
- **Training on Medical Devices** at Jawaharlal Nehru Hospital & Research Centre, Bhilai **Jun '08- Jul '08**
- Usage and Maintenance of Medical devices

COURSE PROJECTS

- Correlation of Healthy Lifestyle with Mental Health across various Departments in IIT Bombay.
- Application of Wavelets in 2-Dimensional Gel Electrophoresis Image Analysis
- Real Time ECG Monitoring and Analysis using LabWindows/CVI
- Remote Controlled Movement Of Robot using RC-5 Protocol

COMPUTER PROFICIENCY

- **Languages:** C, C++, SQL, JAVA
- **Softwares:** Microsoft Office, MATLAB, Scilab, LabWindows/CVI, NEURON

ACHIEVEMENTS

- **First** in PRODUK - Product Designing event in AXIS'08 at VNIT, Nagpur
- **Third** in ARCHI-TECH - Self-sufficient home design event in AXIS'07 at VNIT, Nagpur
- **First** in Drama in PG Cult 2012 at IIT, Bombay
- **Applause Award** for the work in Cognizant's Outreach Programme
- **First** in GK Competition at district level

EXTRA-CURRICULAR ACTIVITIES

- NCC B Certificate Holder
- Actively participated in activities of Center for Education in Universal Values at NIT, Raipur
- Completed a National Adventure Training & Junior Leadership Course held at Uttarkashi, Uttarakhand
- Completed 7 Habits of Highly Effective People Foundation Program at MarketRx