



Mufaddal Bhanpurawala
Mechanical Engineering
Indian Institute of Technology Bombay

160100035
UG Third Year (B.Tech.)
Male
DOB: 12-04-1998

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2019	7.56

- Pursuing a **minor** in the **Electrical Department**

LEADERSHIP AND ACTIVITIES

CORE TEAM MEMBER, STUDENT ALUMNI RELATIONS CELL

APR '18 TO PRESENT

Head of department responsible in maintaining the public image of SARC and publicity of its initiatives

- Spearheaded the publicity campaign for Phonathon accomplishing a **111%** increment in volunteers
- Coordinated the publicity campaign for Institute Valedictory Function achieving **100%** y-o-y growth
- Headed the SARC blogs initiative aiming to publish **30** blog posts by the end of tenure
- Capitalized a quarter-over-quarter growth increment of **300%** in social media reach on Facebook
- Organized content for 10+ articles for the monthly newsletter The Knowledge Tree with **40000+** reach
- Structured and coordinated the **Know Your Alumni** aiming to publish video interviews of **10+** distinguished alumni

TEAM MEMBER, ALUMNI STUDENT MENTORSHIP PROGRAM

APR '17 TO MAR '18

- Networked with **300+** alumni in **10+** sectors leading to **80%** y-o-y growth of mentor registrations
- Introduced group mentoring to offer broader and diverse perspective to mentees in non-core sectors
- Enriched the quality of mentoring experience by introducing the mentor and mentee handbook, the Shadow program and the Mentor-Mentee Meetup thus establishing a robust feedback system

COORDINATOR, ROBOWARS, TECHFEST

APR '17 TO DEC '18

- Lead a team of 10+ organizers to delegate work for smooth execution of Robowars 2017
- Acted as a **point of contact** for the participants guiding them through the competition

KEY PROJECTS UNDERTAKEN

DESIGNING EFFICIENT AND COST-EFFECTIVE AERATOR USED IN AQUACULTURE

DEC '17

Guide: Prof. Milind Rane, Heat Pump Laboratory, Mechanical Department, IIT Bombay

- Conducted an extensive study of aeration phenomenon and **artificial aeration techniques** till date
- Actively involved in analysis and testing of a current prototype for various operative conditions
- Researched about the dependence of the **rate of aeration** on different so that most efficient and cost-effective technology can be recommended based on the variables like pond size, sunlight, wind speed

BASIC CRYPTOGRAPHY TOOLS USING C++, COURSE PROJECT

OCT '16

Prof. Bernard Menezes, Computer Science and Engineering Department

- Designed an ensemble of functions capable of performing basic **modulo arithmetic operations**
- Formulated operations ranging from modulo addition, multiplication, exponentiation, to the calculation of **discrete logarithm** and developing tools for generation, encryption and decryption of **RSA key**

DISASSEMBLY PROJECT, COURSE PROJECT

JULY '17 TO OCT '17

Prof. Parag Bhargava, Metallurgy and Material Science

- Dismantled an electric oven in order to study its working principle
- Analyzed the various parts in terms of **manufacturing, material processing** and **design characteristics**

EXTRA-CURRICULAR ACTIVITIES

- Devoted **80 hours** of community service for teaching underprivileged children under NSS IIT Bombay
- Served at **diabetes check-up camp** as part of Social initiative CURED of Techfest IITB
- Part of the IIT Bombay contingent to Government Law College **British Parliamentary Debate**
- Represented IIT Bombay at the Government Law College **World Model United Nation**