

Nawaz Irshad Motiwala
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Mumbai – 400 009

D.O.B : 1st June,1989
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Career Objective

To secure a challenging position where I can effectively contribute my skills as a professional and help the organization in achieving its goal in best possible way.

Academic Qualifications

- Successfully cleared Phd entrance test **PET – 2017** from Mumbai University.
 - Successfully completed **M.E. – Mechanical with Machine Design (2013)** from Fr.C.R.I.T, Vashi, University of Mumbai, with **72.7 % (aggregate)**
 - Successfully completed **B.E Production Engineering (2010)** from M.H. Saboo Siddik College of Engineering, University of Mumbai with **72.2%**.
 - Passed HSC (2006) from Bhartiya Vidya Bhavans College, Maharashtra state board securing **64.50%.**
 - Passed SSC (2004) from St Josephs High School, Maharashtra state board securing **74.40%.**
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In – Plant Training

Successfully completed In-Plant Training in **Godrej & Boyce Manufacturing Co Ltd – Locks Division**, Vikhroli, Mumbai.

Duration : November 2009 – April 2010 (5 months)

Key Roles : Routine Supervision

: Assigning tasks to workers

: In- process Quality Inspection

Post-Graduation Projects

Design, Fabrication and Testing of Outdoor R.C Airships (Feb 2013 – June 2013)

A project namely “Design, Fabrication and Testing of Outdoor Remotely Controlled Airships” was done in **IIT Bombay (Aerospace Department)** which includes

- Design of control surfaces to control the yaw motion of the airship.
- Designed and fabricated Gondola system for outdoor airships to carry propulsion system
- Designed an fabricated the envelope for the outdoor airship of length 8.5 m

Design, Fabrication and Testing of Indoor Airships (July 2012 – Feb 2013)

A project namely “Design, Fabrication and Testing of Indoor Remotely Controlled Airship” was carried out in **IIT Bombay (Aerospace Department)** which includes

- Designed 4 meters indoor airship, also modified and tested as semi outdoor airship
 - Validated the airship design methodology by fabricating an Indoor Airship to demonstrate the flight
 - Conducted various tests necessary before the flight
 - Coordinated with procurement committee to purchase various technical machines worth 3.5 millions
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Under Graduation Project

Increase in Productivity of Big Safe Locks by Eliminating Rework (Nov 2009 – April 2010)

A project on “Increase in Productivity of Big Safe Locks by Eliminating Rework” was done in **Godrej and Boyce Mfg Co Ltd (Locks Division)**, Vikhroli, Mumbai which includes

- In process Quality Inspection
 - Time and work Study
 - Kaizen
 - Design of Fixture for various types of key numbering
- Was able to increase the productivity of the locks by 112%
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Research Publications

- **Author : Design of A 3D Printer** , IOSR journal of Engineering Volume 8, Issue 8, August 2018. ISSN :2250 – 3021.
- **Author : Design and fabrication of domestic hydro turbine**, International journal of latest technology in Engineering ,Management and applied science, Volume 6, Issue 3, March 2017. ISSN :2278 – 2540.
- **Author : Design and fabrication of domestic wind turbine**, International journal of Innovations in Engineering, research and Technology, Volume 4, Issue 2, Feb 2017.ISSN :2394 – 3696.
- **Author: Conceptual Approach for Design, Fabrication & Testing of Indoor Remotely Controlled Airships**, International Conference on Manufacturing Science and Engineering (ICMSE), **Dalian China**, March 2013
- **Author : Design and Fabrication of Fins for Indoor and Outdoor Airships**, International Conference in Emerging trends in Engineering and Technology, **Kerela, INDIA**, October 2013
- **Co-author: Design, Fabrication & Testing of Outdoor Autonomous Airships**, 20th AIAA Lighter-Than-Air Systems Technology Conference, **Florida US**, March 2013

- **Co-author** of poster: **Design and Fabrication of Remotely Controlled Indoor Airship**, UG Research Symposium, IIT Bombay, July 2012

Experience

- Worked in **Hicool Electronics** (Navi Mumbai) as a **Production Engineer** for **6 months** (Feb 2011 – July 2012)
Job Profile includes making cad drawings for various components, Assigning job to workers as per the orders, 5S training to workers, time and work study, Management of Assembly line etc.
- Was a **visiting faculty** for 6 months in **Modern College of Engineering**
- Currently working as a **Asst Professor**, in **Anjuman –I- Islam Kalseker Technical Campus, Panvel w.e.f 20/07/2013.**

Projects/ Events Mentored

- Virtual Aero Design event for Aerothon Event by SAE – 2021
- Design, analysis and manufacturing of Medical Transport UAV - 2020
- Design a conceptual vertical take off and Landing (VTOL) aircraft to carry and distribute vaccines to remote areas (For Aerovaccine event held at IIT-Bombay Techfest 2020) – 2020
- Design and Manufacturing of 3D printer - 2018
- Blend of NCES (In this the entire cabin consisting of 2 tube lights, laptop, fan and charging point was working for 8 hours on non-conventional sources (solar, wind and water energy) - 2017
- Design of All Terrain Vehicle (ATV) for MEGA ATV Challenge event by SAE - 2016
- Design of Go kart for National Go-Kart Championship - 2015
- Design of Airship for aerial surveillance and advertising (In collaboration with IIT -Bombay Aerospace Dept) - 2014

Resource Person

- Was a **Resource person** to give lecture and Training to the students in 3D printing technology held at Kalsekar Technical Campus Panvel.
- Was a **Resource person** to give lecture and Training to the faculty and staff in 3D printing technology held at **Sardar Patel Institute of Technology, Andheri**. Sponsored by All India Council of Technical Education (AICTE) and Indian Society of Technical Education (ISTE). in 2019

Personal Achievements

- Was awarded with **BEST TEACHER** award in Technical category by Anjuman-I-Islam in **2017**
- Was awarded as **BEST EVENT COORDINATOR** by Anjuman-I-Islam Kalsekar Technical Campus, New Panvel for 2 years

- Continuous excellent feedback every year for my teaching, by students since 2013 till date for my teaching skills.

Achievements in Projects/ Events Mentored

- Team won 4th Prize in Virtual Aero Design event for Aerothon by SAE – 2021.
- Team won 1st Prize in Aero vaccine event held at IIT-Bombay Techfest – 2020.
- Team won 1st Prize for Design and Manufacturing of 3D printer in Amity University Tech Fest – 2018

Extra- Curricular Activities

- Was a part of team organizing Quiz competition held on Aviation day by the Aeronautical Society of India (Mumbai Branch)
- Had lead a educational society registered under charity commissioner (The Cutchi Memon Students Circle) for 3 years and was a part of it for 11 years (2004-2015), working for the benefit of the students fraternity.

Personal Information:

Name : Mr. Nawaz Irshad Motiwala
Date of birth : 01/06/1989.
Father's name : Mr. Irshad Motiwala
Permanent address : 124, Zakeriya Masjid Street, 4th Floor Room No 402, Mumbai – 400 009
Religion : Islam (Muslim)
Hobbies : Social service, Playing Table Tennis
Marital status : Single
Passport no : U8522170 D.O.E : 24/11/2030

Declaration

I, hereby declare that the above furnished information is true to the best of my knowledge.

Date: 28 /06 / 2021

Place: Mumbai.

(NAWAZ IRSHAD MOTIWALA)