Indian Institute of Technology Bombay
Powai, Mumbai, India - 400076

Institute details:
Roll No. 133109007 **Batch**: 2013-16
Department: Mechanical Engineering
Specialisation: Design Engineering (Research Assistant) Master of Technology

Personal details:
Name: Ninad Hemant Watwe **Sex**: Male
Date of Birth: 12/03/1992 **Nationality**: Indian

Examination	University/Board	Institute/Department	Year	CPI/ %
Post-Graduation	IIT Bombay	IIT Bombay	2013 -16	9.5
Graduation	University of Pune	PVG's COET, Pune	2009 -13	71%
Intermediate/+ 2	Maharashtra State Board	Sir Parshurambhau College, Pune	2009	85.00
Matriculation	Maharashtra State Board	Muktangan English School, Pune	2007	86.3

Current Work:

- Currently working under Prof. K.P.Karunakaran (Mechanical Engineering, IIT Bombay) in Rapid Manufacturing Laboratory and under Prof. Abhishek Gupta in the Robotics Laboratory
- Contributing towards the development of a single seater, tailless helicopter.
- Contributing towards development of new Drawing table for simultaneous CAD and paper based drawing.

Projects:

Undergraduate:

- **Design and Manufacturing of Fixture for machining of Pumps of Heller MCP 250** (Graduate project)
    - *Guide: Prof. P.B. Daphalapurkar , PVG's COET, Pune* (Jun'12-Jun' 13)

Machining fixtures were required for manufacturing of 39 pump casing of NL series by Mather + Platt Ltd. Chinchwad, from raw casing for a new Heller HMC. This project included classification of pumps according to sizes and geometries, design of fixtures for various machining stages, manufacturing and testing of fixtures, and final commissioning of the fixtures in service.

Course projects in Mechanical Engineering, IIT Bombay :

- **Design of Biconical Chemical dryer for drying Nylon :**
  (Course Project for Machine Design)
  - *Guide: Prof. Abhishek Gupta, IIT Bombay*

This project included study of literature and the relevant Standard Codes for design of unfired pressure vessels (IS 2825), packing and drying characteristics of the material (nylon), traditional design, optimization of design, and presenting the design report of the design.

- **Design of Experimental setup for Crack Detection in Aluminium Pipes:**

  (Course Project for Design Engineering Lab)

  - Guide: Prof S. K. Maiti and Prof Parag U. Tandiya

This project included literature survey of the relevant research papers, design and manufacturing of the test rig, carrying out the experiments and validating the data for cracked Aluminium pipes of 35mm OD.

SEMINARS:

- **Development, Scope and Advances in Magnetic Bearings technology**
  - *Guide: Prof. D.S.Patil (PVG'S COET Pune)* *Undergraduate Seminar*

- **Brain Machine Interface for Prosthetics Control***
  - *Guide: Prof Abhishek Gupta (IIT Bombay)* *M.Tech Seminar*

*(*currently working)*

OTHER ACHIEVEMENTS:

- Certified "Ready Engineer" by Tata Technologies Ltd. during undergraduation, after completing the "Ready Engineers Program" by TTL which included training in CATIA V5R20 and various industrial training modules.
- Finance Secretary of Mechanical Engineering Students Association during undergraduation.
- Participated and won numerous quizzes since school days.

HOBBIES:

- Hobbies including reading, particularly modern fiction, classic fiction, autobiographies etc., blog writing and cycling.
- Volunteer for an educational videos making startup, by writing scripts for educational videos for school children.