



**Organization** Orbit Technologies Mumbai

**Duration** May 2013 to June 2014 (1 Year Part-Time)

**Designation** Project Engineer (R&D)

➤ **EDUCATIONAL QUALIFICATIONS**

- **M.E Mechanical Design Engineering (University Rank 3<sup>rd</sup>)** from North Maharashtra University Jalgaon with **70.05%** in (2012-14).
- **B.E Mechanical Engineering** from D. Y. Patil College of Engineering Akurdi, Pune with **62.40 %** in (2008-11).
- **Diploma in Mechanical Engineering** from Government Polytechnic Amravati (An Autonomous Institute of M.S) with **83.85%** in (2005-08).
- Secondary School Certificate Exam from Amravati Board with **74.66 %** in (2004-05).

➤ **PUBLICATIONS**

- Published Paper on “**Review: Use of Magneto-Strictive Material Actuator for Vibration Control**” in Proceedings of the National conference of research in Design, Manufacturing Engineering-2017 (NCRDME-17) at GHRCEM Pune.
- Published Paper on “**Experimental Analysis of Pneumatically Operated Exoskeleton for Gait Rehabilitation**” in Proceedings of the Modern Era Research in Mechanical Engineering-2016 (MERME-16) at RIT Islampur.
- Published Paper on “**Theoretical Analysis of Non Linear Behavior of Rubber Bush for Optimum Shape Form**” in IJLTET Vol. 3 Issue 3 January 2014 ISSN: 2278-621X.
- Presented Paper on “**A Review Paper on Adhesive Joints**” in National level Conference at Amrutvahini COE Sangamner.

➤ **PROJECT WORK**

**Project Title** “**Theoretical And Experimental Analysis of Non Linear Behavior of Rubber Bush for Obtaining Optimum Shape Form**”

**Institute Name** Shri Sant Gadgebaba C.O.E & T Bhusawal.

**Sponsored by** Orbit Technologies Mumbai.

**Duration** 1 year

**Project**

- The work is related to study of rubber bushes used in automobiles.

- Description**
- The rubber bush is used to damp the forces developed due to continuous running of engine at various conditions.
  - The behavior of rubber is Nonlinear in nature the study of Non Linear behavior was done by using ABAQUS for software analysis to validate it with theoretical study.
  - Experimentation was done to find the optimum shape of the same.

**Project Title**      **“Rotary Peristaltic Pump with Auto Level Controller”**

**Institute Name**    D Y Patil College of Engineering Pune.

**Duration**            1 year

**Project Description**

- This project was developed for handling viscous slurries with the help of Peristaltic Tube.

- Two rollers were used to squeeze and sweep the fluid through pump.
- Controlling level using proximity sensor and a fan attached to storage tank.
- Proximity sensor was attached to desired height on container and fan was equipped with metal pieces such that the sensor senses the metal pieces and cut the relay so avoiding excessive pumping of fluid.
- Applications: Cement Industries, Kidney Dialysis Machine, Food Industries.

### ➤ WORKSHOPS

- Attended three Days Proficiency Improvement Program on **“Electric Vehicle: Introduction, Validation & Certification”** at ARAI FID Chakan Pune.
- Attended two Days State level seminar on **“Automotive NVH”** in Feb 2016 at AISSMS College of Engg Pune.
- Attended two Days State level seminar on **“Performance of Hybrid Electric Vehicles and Its Environmental Impacts”** in Jan 2016 at G H Rasoni Institute of Engg & Tech Pune.
- Attended two week ISTE workshop on, **“Fluid Mechanics”** in May 2014 at Shri Sant Gadgebaba C.O.E & T Bhusawal, Conducted by IIT Kharagpur.
- Attended one week STTP course on, **“Matlab Fundamentals and Applications”** April 2013 organized by Dept of Mechanical Engg, Shri Sant Gadgebaba C.O.E & T Bhusawal.

➤ **CAD PROFICIENCY**

- CATIA V5 R20
- Hypermesh 13.0

➤ **ACHIEVEMENTS**

- Faculty Advisor of Team Shaurya-16 participated in International Go-kart Championship at LPU Punjab in 2019
- Organizing member of Conclave on “Advances in Solar System, Electric Vehicle & Awareness” in association with IEEE Pune section supported by ARAI Pune in 2020
- Organized College to Corporate program at GHRIET organized by IIT Bombay
- Winner of “**BEST INNOVATION & TECHNOLOGY AWARD**” in SAE INDIA BAJA by **EATON Group** in 2011

➤ **PERSONAL PROFILE**

Father's Name	Mr. G. V. Ingle
Address	A108, JD Shubharambh Hou Soc, Near BJS College, Bakori Road Wagholi, Pune 412207.
Date of Birth	17 <sup>th</sup> July 1990.
Marital Status	Married
Languages Known	English, Hindi and Marathi.

➤ **HOBBIES**

- Trekking,
- Cooking

I hereby declare that the information given herewith is correct to my knowledge and I will be responsible for any discrepancy.

Date:

Place: Pune

Mr. Shrikant G. Ingle