**ZILL MAHESHKUMAR MEHTA**

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* **Profile of Skills:**
* Highly motivated and dedicated person having good and quick learning skills with ability to work under pressure.
* Good coordination and leadership skills and can easily work with team to accomplish the work/project.
* A self-motivated person with the capability of giving keen attention to detail.
* Excellent hands on basic computer skills such as MS Word, MS PowerPoint and MS Excel.
* Designing software: SolidWorks and Creo/Pro-E 4.0 (3 years progressive training experience)
* Autodesk AutoCAD (4 years progressive training experience)
* Labview Signal Express software to measure the vibration, displacement and acceleration of the component
* Programming software: MATLAB (2 years progressive training experience)
* ANSYS Software to analyse the feasibility of the product
* Microsoft office tools
* Basic knowledge of CATIA software (1 year progressive training experience)
* Working towards P.Eng status.
* **Work Experience:**

**Junior Quality Control Inspector (Part-time)** (February 2015 to June 2017)

***N.M Engineers, Vadodara, Gujarat, India***

* Closely monitored and examined every stage of the entire production process.
* Segregated non-conforming parts in accordance with written quality procedures.
* Made sure that company employees follow documented procedures and standards.
* Overseeing the proper identification for all parts and components used in the production process.
* Accompanying visual mechanical inspection of components and following all safety procedures.
* **Education:**

**Master in Mechanical Engineering** Sept 2017-Dec 2018

Lakehead University, Thunder Bay, ON, Canada.

* Major Courses: Engineering Design synthesis & analysis, Mechanical system & signal analysis, Applied Elasticity, Combustion/ Emission I.C. Engine, Research method & communication.
* Cumulative Grade Point Average (CGPA): 75.5 (Out of 100)

**Bachelor in Mechanical Engineering**

Charusat University, Changa, Gujarat, India. June 2014-July 2017

* Major Courses: Material science and Metallurgy, Engineering Thermodynamics, Theory of Machine, Manufacturing Processes, Fluid Mechanics, Mechanical Vibration, Heat & Mass Transfer, Industrial Management, Production Technology, Refrigeration & Air conditioning, CAD, Power Plant Engineering. CAM.
* Cumulative Grade Point Average (CGPA): 8.64 (Out of 10)

**Diploma in Mechanical Engineering**

Sigma Institute of Technology, Vadodara, Gujarat, India. June 2011-April 2014

* Major Courses: Engineering Drawing, non-convention energy sources, Mechanical Drafting, Fluid Mechanics & Hydraulic Machines, Plant Maintenance & safety, Estimating and contracting, Tool Engineering, Fabrication Technology, Power Plant Engineering.
* Cumulative Grade Point Average (CGPA): 8.4 (Out of 10)
* **Engineering Project:**
* **Masters Project: “**Development and Modeling of Air Compressed Engine” in this I have created the model and design of air compressed vehicle with the help of Creo/Pro-E software and optimize its efficiency with help of ANSYS software.
* **Bachelors Project: “**Experimental Investigation on effect of ultrasonic stirring on Al metal matrix composite” Project focuses on improvement of Grain structure of the metal matrix composite to achieve uniform distribution of particles to get desired strength, hardness, machinability and other mechanical properties by means of Ultrasonic Stirring Process. Three different probes are used to determine the properties of the metal matrix composite and using Labview Signal express software, vibration and displacement graph and reading are found.
* **Diploma Project: “**Pneumatic Crushing Machine” in this project I have created a working model Pneumatic crushing machine, it is used for crushing cans, bottle or any hard material components. Firstly, design is created in the SolidWorks software and it is implemented using single acting cylinder and stainless steel.
* **Internship:**
* Undergraduate: C.J. Engineering, Vadodara, Gujarat, India (4th December 2014- 29th December 2014)
* Graduate: Indian Oil Corporation Limited Govt, Vadodara, Gujarat, India (2nd June 2016-21st June 2016)