

Dhruv Niraj Desai

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CAREER OBJECTIVE

To work with an organization which provides competitive environment for personal and career development, gives opportunities to work with its latest technology. I intend to establish myself as a very good engineer, contributing to the organization growth. I believe that my technical, functional and communication skills will enable me in facing the challenging career ahead.

ACADEMIC BACKGROUND

Course	College	Percentage or CGPA	Year of Passing
M-Tech in Heat Power (Thermal) Engineering	MIT-WPU, Pune	8.93 CGPA	2019
BE In Mechanical Engineering	GDEC, Gujarat	7.56 CGPA	2017
HSC	LMP Reva, Gujarat	66.30 %	2013
SSC	LMP Reva, Gujarat	85 %	2011

INTERNSHIP

- Kirloskar Pneumatic Co. Ltd. (Pune) in CAE D&D Department. (2019)
 - Working on a Project Reciprocating Compressor Valve and used Software Autodesk Inventor and Ansys.
 - Release a Valve Data sheet according to Compressor model type and its speed.
 - In Data sheet find a Flow Area, Effective flow area, Velocity, Pressure Drop, Power Loss, Performance of compressor, Unloader Force, Spring Load, Total Loss in HE and CE etc.
- DNM Engitech Pvt. Ltd. (Navsari-Gujarat). (2017)
 - Working on a project Plano Milling Machine.
 - Working with welding, Machining, Inspection and Testing & Heat Treatment.
 - Getting Some Knowledge about NDT Test.

PROJECTS

- Heat Transfer Enhancement of Flat Plate with Staggered Dimples. (MTech Final Year Project)
 - Compare a four dimples Plates (Two Inline & Two Staggered Arrangement) with one Flat Plate, for knowing the whose heat transfer rate is higher.
 - Design a new shape of dimples (Triangle Shape) on Flat plates.
 - Release a new setup in Heat Transfer Lab for our university.
- Optimization of Process Parameters for Surface Roughness & Material Removal Rate on Alloy Steel A387 & Mild Steel IS 2062 On Plano Milling Machine. (BE Final Year)
 - Convert a planner machine into Plano milling machine.
 - Statistically designed experiments based on Taguchi Method are performed using L9 Orthogonal Array to analyse effect of machining parameters on Material Removal Rate & Surface Roughness.
 - Also done an ANOVA analysis and Signal to Noise Ratio calculations.

KEY SKILLS

- Autodesk Inventor
- Ansys Fluent
- MS Office
- Supplementary Knowledge about CATIA V5.

CERTIFICATION

- ANSYS Fluent from Optimizt Technology Pune.

EXTRA-CURRICULAR

- Published a Paper in International Journals during my Post Graduation.
 - International Journal of Scientific Research & Technology Research.
 - International Journal of Research in Engineering & Innovation.
- Present a paper in Conference name Symposium in MIT-WPU.
- Participated in Company level cricket matches and adjudged as a winner.

OTHER SKILLS & COMPETENCIES

- Critical Thinking
- Team Work
- Adaptability
- Leadership
- Project Management
- Hard Working & Positive Attitude

PERSONAL DETAILS

Father's Name	Niraj Desai
Date of Birth	14-03-1996
Marital Status	Single
Languages	English, Hindi and Gujarati
Hobbies	Puzzles, Climbing, Travel, Cricket, Football, Computing

DECLARATION

I hereby declare that the above-mentioned information is true to the best of my knowledge.

Date:

Dhruv Niraj Desai