

Name :- AAKASH V. PATEL
Mechanical Engineering(M.Tech)
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Objective:

Can take initiative, work under pressure and have the tenacity to patiently work through an area, for achieving the desired results of organisation.

Academic Qualifications:

EXAMINATION	UNIVERSITY	PERCENTAGE	PASSING YEAR
1. M.Tech (Thermal Engineering) Institute of Technology	Nirma University	CPI-8.69	2018
2. B.E (Mechanical Engineering) Gandhinagar inst. of Technology	Gujarat Technological University (G.T.U)	CGPA-7.76	2015
3. Class 12 Bhulka Vihar School, Surat	Gujarat Higher Secondary Education Board (G.H.S.E.B)	80.31	2011
4. Class 10 Sunflower School, Surat	Gujarat Secondary Education Board (G.S.E.B)	83.08	2009

GATE Examination

- GATE-2016 Qualified (GATE SCORE:- 359).

Work Experience

- Currently I am working as a **Design Engineer** at Prashant Westpoint Machinery Pvt. Ltd. (Prasant Group of Industries), Ahmedabad.
 - **Role:-** Prepare Technical Datasheet(EIL & PDIL), GA drawing, ITP, BOM, MQP and others documents.
 - Undertake complex calculations. Calculate motor power, force & torque, pressure requirement, CR, PR, load calculation, design of pulley & belt, sizing of blower etc.
 - Selection of bought out items like Electric motor, Bearing, Pulley and belt, Gear box, Brake, Pneumatic valve and connection.
 - Prepare 3D model, 2D drawing, Assembly drawings, Give geometry dimension & tolerance-fit, Machining process, Surface treatment etc.
 - Liaise with clients to identify their requirements & specifications. Find out the manufacturing requirements by examining materials and production costs.
 - Investigate and undertake analysis on how to improve existing projects or component. Also take feedback from Production & Service department.
- 1 year work experience as a **Jr.Engineer** at PRV Engineering Pvt. Ltd., Surat.
 - **Role:-** Prepare Welding procedure specification(WPS), Procedure qualification record(PQR) and welding material test sample.

- Prepare fabricate drawings and give welding procedure, issue electrode and filler material for welding.
- Set up and maintain record of welder or welding operator qualification tests for each welder's qualification file, in accordance with ASME Section IX and/or customer contract requirements.

Area of Interest:

- Design, Research & Development, Production, Thermal Design and Analysis.

Academic Project:

1. **M.Tech Dissertation** :- “Computational Fluid Dynamic Modeling of Aerosol Dynamic from Vehicle Exhaust Gas.”
2. **M.Tech Seminar** :- “Solar Thermal Energy Storage and different technics of storage”
3. **B.E Project** :- “Design and Analysis of Electromagnetic Brake for vehicle.”

Technical Skills:

1. ANSYS Fluent, CFX, SolidWorks, HTRI, GAMBIT, Tecplot, Latex, Basic C, AutoCAD, Creo.
2. Microsoft Office PowerPoint, Word, Excel.

Co-Curricular Activities:

- Attended Workshop on Turbomachine Design by GE,Banglore.
- Attended Workshop on Automobile Mechanics & I.C Engine Design by IIT, BOMBAY
- Attended non-technical event like communication skill development in our college.

Industrial Training & Visit:

- Summer **Internship in L&T-MHPS Boiler**, Hazira(6 Week).
- Thermal Power Plant – Wanakbori, Gujarat.
- Indo-German Tool Room - Vatva GIDC, Ahmedabad ,Gujarat.
- Citizen-Khatraj, Ahmedabad, Gujarat.
- Training in Krishak Bharti Co-Operative Limited[KRIBHCO], Surat, Gujarat(2 Week).

Personal Details:

- Address : B/367, Kribhco Township, hazira road, Surat-394515
- Date of Birth : 16/06/1993
- Gender : Male
- Age : 25 years
- Languages Known : English, Hindi and Gujarati
- Hobbies : Playing Cricket, Watching Tv, Carrom, Chess.

References:

1) Dr. J. Banerjee
Dean Academic,
SVNIT, Surat.
Email :- jbaner@gmail.com
Mob No. :- 9879277675

2) Dr. R. N. Patel
Professor,
Institute of Technology, Nirma University.
Email :- rnp@nirmauni.ac.in
Mob No. :- 9727697076

Declaration

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

(**Aakash Patel**)