

King J. Patel

B.E, Mechanical Engineer

Present Address: 204/Giriraj society part-2,

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Ahmedabad.

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Date of birth: 29 June 1995

Academic Credentials

Qualifications	University/ Board	Percentage/CGPA	Year
B.E. (Mechanical)	Silver oak College of Engineering & Technology (GTU)	6.65	2018
HSC (Higher Secondary School)	I.D. Patel (GHSEB)	51.85%	2012
SSC (Secondary School)	M.B. Patel Gyanjyot (GSEB)	65.57%	2010

Experience

Plant Supervisor, Quality/Process Control at ASB TUBES (November 2018 – Present)

Responsibilities:

- Inspection of SS PIPE Manufacturing process and raw material.
- Supervise the Quality Related Activities and prepare report on basis of it.
- Perform and monitor quality assurance/control activities to meet the requirement of the customer, regulatory agencies and the company.
- Calibrate and ensure all machines and equipment are in spec and usable at all times.
- Perform other job related duties as assigned by management.
- Coordinate with the plant staff to ensure all the assigned duties are performed well.
- Address problems in work quality in an effective timely manner and suggest improvements.
- Serve as a link between subordinates and upper management.
- Look after overall plant quality.

CAD Engineer at Crown Electric company (June 2018 – November 2018)

Responsibilities:

- Taking measurement by using measuring instrument such as Vernier caliper, Micrometer screw gauge to understand requirement of customer.
- Prepare new drawings as per customer requirement in relation with marketing/sales department & obtain approval from customer.
- Preparing & Modifying assembly and detailed drawings for all existing and new products.
- Calculating Pitch circle diameter, output R.P.M from Gear ratio & input R.P.M.
- Monitor stock level and identify purchasing needs.
- Work with manufacturing and production engineers to ensure products are designed for manufacture.

Project

Title: Air Booster FAN

Project Role: Designing (selecting Mechanism, preparing 3D drawings by using AutoCAD), Making presentation and Report, and Presenting project.

About: Designed ceiling FAN which can circulate air up to more distance as compared to conventional FAN by implementing single slider crank mechanism.

Industrial Visit:

1) INTEC TECHNOCAST (INVESTMENT CASTING INDUSTRY)

Observation: Observed Mixed layout (combination of product and process layout) and investment casting manufacturing process, which includes wax injecting process in pattern by using vertical wax injection Machine (Pattern creation), Preparing cavity or coating by using Molken powder (Mold creation), removing wax from cavity or coating, Pouring of Molten metal after heat treatment, Cooling, removing of cavity or coating by using vibration, welding, finishing process by using grinding and shot blasting machining.

2) NFLEX SYSTEMS (PACKAGING INDUSTRY)

Observation: Observed basic of manufacturing process, which includes Plasma cutting, hydraulic press and also learnt printing and packaging process.

Technical Skills:

- 1) AutoCAD DRAFTING:** Trained and certified by Khodiyar CAD Centre and also making video tutorials at 1 PC USER YouTube channel
- 2) Autodesk Inventor:** Making video tutorials at 1 PC USER YouTube channel
- 3) Measuring instruments:** Operated Thread gauge, Vernier caliper, Micrometer screw gauge in a lab of Mechanical Measurement and Metrology
- 4) G D & T:** knowledge of G D & T symbols, calculating MMC (Maximum Material Condition) for internal and external feature.
- 5) CNC Programming:** Certified and trained as per NSQF (National Skill Qualifications Framework) at Pratt Mueller Skill Development Centre.
- 6) Machining:** Operated Lathe machine, Shaping machine, surface grinding, Hydraulic press, power press, TIG Welding in a lab of production/manufacturing process.
- 7) YouTube S.E.O (search engine optimization):** Managing S.E.O at "1 PC USER" YouTube channel and certified by YouTube creator Academy for course completion in branding of channel.

Extra Activities:

1. Participated in Robotics event (FIFA, Catch me if you can, Mission impossible) in a state level Technical Festival held at silver oak college of Engineering and technology.
2. Participated in Painting competition of Gujarat State Art Association.
3. Attempted Indian tradition knowledge Examination.

