

Dhruv Panchal

B.E. Mechanical Engineering [2011-15 Batch]

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Career Objective

To achieve high growth and keep myself dynamic and competitive with changing scenarios of advance technology for becoming successful in the given position and to utilize my skills to serve the industry with full devotion and knowledge.

Academic Qualification

Examination	Board/University	Institute	Year	%age
B.E. (Mechanical)	Gujarat Technological University	Gandhinagar Institute Of Technology	2015	7.72 Spi
12th	H.S.C	Jay Somnath Higher Secondary	2011	78 %
10 th	S.S.C	Jay Somnath Higher Secondary	2009	86.87 %

Academic Projects

Project Name: "To reduce the distortion of Tube and Tube sheet During Fabrication of Shell and Tube Type Heat Exchanger.	
Company	Hindustan Dorr Oliver Ltd.
Project Type	Manufacturing
Product	Shell and Tube type Heat Exchanger
Project Duration:	12 Months
Learning @ Project	<ul style="list-style-type: none">Understanding the different type of H.E. different application and study about the effect of distortion.Study about the stresses ,machining of Tube sheet ,NDT test Hydro test, calculation of distortion and parts of H.E.Various kinds of method applying to eliminate and distortion, and increase H.E. Efficiency.Modelling and simulation done with the software in Cero2.0

Experience

ANIL STARCH LTD, AHMEDABAD

2015 July - Present

Position: Maintenance Engineer

Responsibilities

- Responsible for maintaining and repairing heavy equipment required in the day to day working.
- Analysis of machine failures.
- Estimation of maintenance costs.
- Assessing the needs of equipment replacements, spare parts.
- Assessment of the required tools for the maintenance of the equipment.
- Material procurement through SAP and maintaining minimum spares.
- Attending breakdown and reducing breakdown time.

Industrial Projects

Project Name: "Manufacturing of pipe ejector machine"	
Company Name	Shree ram Engineering
Project Type	Manufacturing
Project Duration:	6 Months
Learning @ Project	<ul style="list-style-type: none"> • Detail study on hydraulics piston cylinder system. • Understanding the fabrication after Stress Relieving process. • Learning of the assembly and leveling and calculation of all the parts of machine.
Project Status	<ul style="list-style-type: none"> • The pipe ejector machine is in Working Condition at electrotherm India ltd , Kutch, Gujarat

Project Name: "Manufacturing of drive heads (worm and worm wheel)"	
Company Name	Shree ram engineering
Project Duration:	2 Months
Learning @ Project	<ul style="list-style-type: none"> • Worm and worm wheel material grade and their melting practice. • As per drawing Casting and machining process learned. • Study the gear testing and checking, blueprint, backless check Tolerance maintain. • Studied the parameters of the velocity, pressure angle, clearance between worm and worm wheel. • Left and right worm proper assembly learning.

Project Name: "Experimental Study about the Mechanical Vacuum Booster System"	
Company Name	Acme Air Equipment Pvt.Ltd.
Project Type	Manufacturing
Project Duration:	3 Months
Learning @ Project	<ul style="list-style-type: none"> • Studied the parameters like Pressure, Velocity and Temperature of vacuum blower. • Understanding the system component condenser vacuum pump.

Project Name: "Manufacturing of Slitting Machine "	
Company Name	Shree Ram Engineering
Project Type	Manufacturing
Project Duration:	6 Months
Learning @ Project	<ul style="list-style-type: none"> Machine main purpose of to cut the 1m hardboard paper in 3 parts. Designed the machine in AutoCAD. Studied the parameters of the velocity, cutting force, angle of cutter, clearance between the two rollers. Understanding the gear and belt mechanism How to cut the hardboard paper with the help of top and bottom cutter.
Project Name: "Study About Gun Drill Machine"	
Company Name	United machine tool
Project Type	Manufacturing
Project Duration:	4 Months
Learning @ Project	<ul style="list-style-type: none"> Gun drilling is a produces deep, straight holes in a variety of material. Studied the Ball screw working and observe the process deep hole, rimming and honing. Learn which bearing use in high speed rotation work.

Project Name: "Flexo Printing Machine Roller Fabrication"	
Company Name	Shree ram engineering
Project Type	Fabrication
Project Duration:	1 Months
Learning @ Project	<ul style="list-style-type: none"> As per client requirement roller Fabricated Learn the test of material SS 304 and 8 mm thickness. Learning the bending of sheet then welding and penetration test. Understanding process how it important like machining, grinding, buffing, dynamic balancing.
Project Status	<ul style="list-style-type: none"> The Flexo printing machine roller is in Working Condition Innovative flexo at vatva , Gujarat

Project Name: "Manufacturing of Ball Mill"	
Company Name	Shree Ram Engineering
Project Type	Manufacturing
Project Duration:	1 Months
Learning @ Project	<ul style="list-style-type: none"> As per client requirement ball mill manufacturing. Learning the design calculation shell thickness ball size shaft dia. And pedestal use. Studied Spur gear motor mechanism.

Industrial Visits

Sr. No	Name of the Industry	Learning
1.	Indo German Tool Room, Ahmedabad.	<ul style="list-style-type: none"> Observed different machine tools. Observed the Manufacturing of Press Tools, Moulds, Die Casting Dies, Jigs, Fixtures & Gauges etc.
2.	Adani Mundra Port and SEZ Ltd. Mundra, Kutch, Gujarat.	<ul style="list-style-type: none"> Starting of production line of oil container to storage station and at the end dispatched location. Visited thermal power station.
3.	Jyoti CNC, Rajkot, Gujarat.	<ul style="list-style-type: none"> Manufacturing of different parts used in CNC body. Observed workshop area where all parts are painted, assembled and dispatched. How manufacturing process possible with CNC machines.
4.	Windsor Machines Limited, Vatva, Ahmedabad.	<ul style="list-style-type: none"> Learning of Injection moulding machines Automotive, packaging, industrial components, technical parts, writing instruments, the versatility of injection moulding is facilitated by our breadth of design. Pipe Extrusion line Best of Single Screw and Twin Screw technology, Pipe Extrusion Lines cater to PE & PP, CPVC & UPVC. Majorly catering to Irrigation. Blow film Extrusion line Lamination Film, milk pouches, edible oil packing, surface protection film.

5.	Hallmark Radiography Laboratory, Ahmedabad.	<ul style="list-style-type: none"> Working of different destructive testing machines like, UTM, Impact Testing and NDT like, die penetration, Radiography, Magnetic Particle test and material composition testing by X-ray, Spectrographic.
6	Wanakbori Thermal Power Station, Gujarat	<ul style="list-style-type: none"> Coal Transportation network and pulverizing mills. Boiler and its inside pipe network and their functioning, Boiler accessories and mounting. Turbine types, Water Distillation plant, Boiler Feed Pump. Inside Cooling Tower Electricity generation and transmission Safety equipment, their importance and safety steps.
7	Sardar Sarovar Narmada Nigam pumping station	<ul style="list-style-type: none"> How net head increased by putting hydro pump underground, Turbine speed governing and its importance.
8	Ahmedabad Engineering at vatva	<ul style="list-style-type: none"> Steps in Investment Casting Process to be followed, which products cast by investment casting

Knowledge of Software

- Hands on practice of **AutoCAD** and **Creo 2.0**.
- Good in **Solid Works**.
- Good Practice of **MS OFFICE. OUTLOOK**.
- Hand on practice of **SAP (SAYSTEM APLPLICATION PRODUCT)**
- Good in **ERP (ENTERPRISE RESOURSE PLANNING)**

Areas of Interest

- Production Technology
- Hydraulic & Fluid mechanics
- Heat & Mass Transfer
- Design
- Thermodynamics
- Material Science
- Power Plant Engineering

Achievements & Co-Curricular Activities

- Attended Soft skills Lectures Conducted by Global Talent Track at **GIT**.
- Participate in Robot War, Robot Race And Fifa **GIT –Techfest 2012, 2013**.
- Participated in Cricket, **GIT-Sports-2012**.
- Participate in Drama event, **GIT-Culfest-2013**.
- Participated and win 1st prize in E –Treasure Hunt Competition, **VGEC Techfest-2014**.

Intrapersonal Skills

- Good problem solving skills.
- Team player & leadership skills.
- Self-motivated & able to work under pressure.
- Highly energetic & hard work responsibility.
- Excellent make communication and relationship with others.

References

Ajaybhai Pardeshi

Director of Acme Air Equipment pvt.ltd,
Plot - 57 / 3, 4, 5, Phase I, B. Road,
GIDC, Vatva, Ahmedabad - 382445. Gujarat,
India.
M. no.: - 9824257704

Anilbhai Surelia

Owner of united machine tool
Near keval kata,
Nagarvel hanuman road,
Rakhial Ahmedabad-380023
M. no. : 9824515079

Personal Profile

Name	Dhruv Bharatbhai Panchal
Father's Name	Bharatbhai Panchal
Permanent Address	S/1 Ravi Randal Soc. Jashodanagar Cross Road, Near Ashirwad Hotel Amraiwadi Ahmedabad -380026
Gender	Male
Date of Birth	25 th June 1994
Languages Known	English, Gujarati, Hindi & Marathi
Marital Status	Single
Nationality/Religion	Indian / Hindu
Interest & Hobbies	Playing Chess, Internet Surfing, Travelling, Reading Religious Book.

Declaration

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

Dhruv Panchal
Date 25.06.2016