

# CURRICULUM VITAE

**Mr. JAY PATEL**

**B.E. MECHANICAL**

**4.6 Years of Exp. of PRODUCTION AND QUALITY ENGINEER.**

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## **PROFESSIONAL EXPERIENCE:**

**JOB PROFILE: Production Engineer**

**(From: Apr '17 to till date)**

**Trainee Engineer**

**(From: Oct '16 to Mar '17)**

**GEARLINC SYSTEM (PRASHANT GEARS)** have been the pioneers and leaders in the medium torque Gearboxes and Geared motors in India. It can offer the widest array of world class, robust and reliable power transmission solution catering to almost any industry like Ceramic, Road construction, Textile manufacturing, Ginning, Chemical, Pharma & Packaging, Conveyer manufacturing, etc.

### **As Production Engineer:**

Whole production, supervision, material management and maintain proper material stock at shop floor at right time for efficient production.

- Prepare Monthly Manufacturing schedule, manufacturing all components as per production planning and provide to assembly shop.
- Coordination with technicians and operators to ensure proper follow up of production planning.
- Full time supervision of workshop activities.
- Knowledge of machining setting & production planning on PROFILE GRINDING (Reishauer), BODY MACHINING (Reishauer HMC 4-axis), GEAR HOBGING M/C (Cugir), PROFILE TESTER (MAAG), BORE & FACE GRINDING (Nova-Italy), CNC TURNING & TURN MILL(Mori Seiki), CYLINDRICAL GRINDING MACHINE (Schot), CNC Drill M/C make.
- Planning of cutting, CNC lathe, hobbing, broaching, bore & cylindrical grinding and profile grinding machines.
- Prepare monthly report of all machines & define losses and analyzes to improve output of shop.
- Define solutions to make up delays (quality problems, machineries breakdown, drawing problem...) in order to respect delivery dates and planning.
- Reduce manufacturing cycles and optimize material flows in the workshop.
- Apply policies and organization at workshop level as per management guidelines.
- Study bill of material and component drawings after that release for production.
- Check material availability before drawing releasing, co-ordinate with owners to minimize the shortage before production start.
- Working with safety and continuous training of first Aid, Fire extinguisher, Fire hydrant & Emergency services to shop floor staffs.
- Maintain shop floor activities as per ISO 9001-14001 certification requirements.
- Working with '5S' and 'TPM' activities.

## **EDUCATIONAL PROJECTS:**

### **BE in final project title: - Friction stir welding set up on milling machine**

- **Content:** - In our institute milling machine are horizontally but horizontal set up is not possible so that we convert the horizontal into vertical milling and then proper design of fixture for clamp the work piece. Two work piece aluminum 6061 are clamp to fixture than we start the process of welding at the end of work piece side and vertical milling machine can start in clockwise direction at 275rpm and give proper welding of 2mm to 3mm width work piece by tool and set auto travel milling bed on welding direction. Then the tool force on work piece and it rotate at high speed so that there are friction is created and weld edge are melted and welding are complete. Weld work piece come out is accurate weld surface finish and good strength.

### **Diploma in final project title: - Solar plate cleaning system**

- **Content:-** In this project we used automatic object able sensor wiper for cleaning of solar plate. In this system when dust or other particles placed on solar plate the sensors starts to work. Sensor senses the particles and sends than electrical supply to wipers motor and hot water pump are start and completely clean the plate. When dust or other particles placed on solar plate then are remove the plate. The wastage water goes out through pipe and deposit in tank. The dust particle and other impurities remove from wastage water and re-use for cleaning solar panel.

## **EDUCATIONAL QUALIFICATION:**

- B.E. Mechanical with 7.20 CGPA from (MEC COLLEGE) GTU University, Gujarat in May-2016.
- DIPLOMA Mechanical with 7.9 CGPA from (SSPC COLLEGE) GTU University, Gujarat in May-2013.
- S.S.C. with 67.23% from GSE Board, Gujarat in 2010.

## **COMPUTER SKILLS:**

- **MS Office** : Word, Excel, Power Point,

## **PERSONAL PROFILE:**

- Date of Birth : 02<sup>th</sup> May 1994.
- Gender : Male
- Marital Status : Married
- Language known : English, Hindi, Gujarati
- Hobbies : Travelling , Cricket
- Current ADD. : D-203, Shyam paradise, Opp. Auda water tank,  
Nr. Science city, Sola, Ahmedabad-380060

- **Required notice period** – 10 days.

## **DECLARATION:**

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