Navin Kumar

**NPD Engineer**

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**ABOUT**

A result oriented professional with proven success in Design & Development (Engineering). Proven ability to enhance operational effectiveness and meet operational goals with cost, time & quality parameters

EDUCATIONAL QUALIFICATION

|  |  |  |  |
| --- | --- | --- | --- |
| **YEAR** | **EXAMINATION** | **UNIVERSITY/ BOARD/ INSTITUTE** | **%** |
| 2014-16 | Diploma (Mechanical) | Sun Rise University Alwar (Rajsthan) | 65.21 % |
| 2010-12 | Intermediate | Lila mandal S.S.+2 school Taknkuppa Gaya | 62.08 % |
| 2009-10 | B.S.E.B | Sri Satanand Giri High School Sulebatta, Gaya | 49.92 % |

**WORKING KNOWLEDGE**

Reading of Assembly drawings

MS Office

FANUC Robot

Yaskawa Robot

Kuka robot  
 Auto cad

APQP , PPAP

SOLID WORKS(Basic)

Spot & MIG welding

Jig/Fixture Review

Welding Jig /Fixture modifications

Pin Size calculations for

C/F & Welding Fixture  
pin matrix

**PROFESSIONAL EXPERIENCE AND TRAININGS**

**NAGATA AUTO ENGINEERING INDIA PVT LTD , Ahmedabad , Gujarat, India – Engineer March 2022 – Present**

Roles and Responsibilities:

* RFQ preparation
* APQP time plan study
* Define layout for new process.
* Design and develop new **gauges** as per requirement.
* Prepare Comparison Sheet & Bom for product.
* Preparing and managing **MISP . (Maruti Inspection Standard).**
* Uploading & Tracking IMDS. (International material data sheet)
* Uploading & Tracking CARV. (change approval for vender)
* Preparing and managing all kind of design data & documents for all customers & products like Drawing Issue Register, Engineering Change Note, Change History Book and Internal Design Change Request Note etc.
* Verification & validation of parts as per design during initial stage of project.
* Responsible for Robot Calculation & Utilization.
* Responsible for Line Balancing.
* Implement the KAIZEN in existing process as per customer requirement.
* Line trial for new model introduction, installation arrangements & supplier readiness.
* Installation and commissioning of jigs, equipment, line as per schedule.
* Conduct reverse engineering for jigs, fixtures & gauges.
* Involved in customer visit for discussion regarding new development and being in touch with them throughout the development stage.
* Weld Up & Down trial, Weld Parameter Freezing for Spot Welding, Projection Welding & MIG Welding
* Production process design review & approval.
* Coordination with customer & suppliers for on time execution of project.
* Customer Parts & specific requirements identification & interpretation in manufacturing process.
* Process cycle time planning, optimization, line trial & time study.
* Production / process control related activities & Poka-yoka with FMEA.
* Online robot programming (Fanuc , Yaskawa & kuka ), line balancing & Spot Distribution
* Layout planning & Optimization
* Make or modify drawings of welding fixtures to implement POKA YOKE and Installation to improve Safety\ Quality\ Productivity
* Hands on experience in new Process/Product installation
* Process cycle time planning, optimization, line trial & time study.
* Knowledge of Tool Room machinery(Lathe ,milling, surface machine)

**PROJECTS**

**EXTENSION COMP QTR INNER (YTB) March – 2022 to October**

**MBR COMP HOOD LOCK (YED) November – 2022 – Continue**

**Team Leader**

**Spot Welding**

**Client: SMG (Suzuki Motors Gujarat)**

**Domain: BIW (Body in White) Part of car**

**Software used: 3d ZW, Auto-Cad, MS-Office**

* Define layout for new process.
* Line Installation & Commissioning .
* Bom preparation
* Welding fixture review in-house & supplier end.
* Fixture modification and maturation as per accuracy demand.
* Part Accuracy improvement as per customer requirement.
* Weld Up & Down trial, Weld Parameter Freezing for Spot Welding, Projection Welding .
* Online robot programming ( kuka ), line balancing & Spot Distribution.
* Implement the KAIZEN in existing process as per customer requirement.
* Process cycle time planning, optimization, line trial & time study.
* Conduct Time & Motion Study.
* Preparation of Control Plan, MISP , PFMEA ,WIS, OPD, Poka-Yoke sheet.

**PREVIOUS COMPANY**

**SKH-YTEC India Pvt. Ltd. (Krishna Group)Ahmedabad, Gujarat, India – As a Junior Engineer , March 2019 – March 2022**

Roles and Responsibilities:

**Panel Comp, Front Pillar Inner (YSD NB MC) March 2019 – April 2020**

**Team Member**

**Spot Welding**

**Client: SMG (Suzuki Motors Gujarat)**

**Domain: BIW (Body in White) Part of car**

**Software used: Solid Works, Auto-Cad, MS-Office**

* BOM Preparation
* Preparation of Control Plan, WIS, OPD, Poka-Yoke sheet
* Line Installation & Commissioning
* PLC logics for improvement in Cycle time & ease to work
* Part Maturation according to specification
* Weld-up down trial
* Line handover to Production & support of 3 months after handover
* Robot Teaching, Improving & Validating the Cycle time
* Fixture modification and maturation

**Frame Comp, Frame Suspension & Arm Suspension (YSD/YRC NB MC AND YTA) February 2020 – March 2021**

**MIG Welding**

**Client: SMG (Suzuki Motors- Gujarat)**

**Domain: Assembly Part of car**

**Software used: Solid Works, Auto-Cad, MS-Office**

* BOM Preparation
* Preparation of Control Plan,a WIS, OPD, Poka-Yoke sheet
* Checking Gauge Buy-Off at supplier end
* Line Installation & Commissioning
* PLC logics for improvement in Cycle time & ease to work
* Part Maturation according to specification
* Weld-up down trial
* Line handover to Production & support of 3 months after handover
* Pre-Production Verification Trial
* Robot Teaching, Improving & Validating the Cycle time
* Fixture modification and maturation
* Weld penetration report making

**ACHIEVEMENTS AND ACTIVITIES**

* Completed Three Projects in welding

1. SPOT (YED HB , MBR COMP HOOD LOCK)
2. SPOT (YTB , EXTENSION COMP QTR INNER) IN NAGATA INDIA PVT LTD.
3. **SPOT** (YSD NB MC-PANEL COMP, FRONT PILLAR)
4. **MIG** (YSD/YRC-FRAME COMP, FRONT SUSPENSION )
5. **MIG** (YSD N/B ARM SUSPENSION AND YTA CONTROL ARM) in SKH-YEC India Pvt. Ltd.

**PREVIOUS COMPANY**

**Bellsonica Auto Component India pvt.Ltd** Manesar Gurgaon India – **As a Line Leader** **February 2018 to March 2019**

Roles and Responsibilities:

* Manpower Handling
* Knowledge of traceability of child parts & Final component.
* Maintaining 5S, Poka-yoke, Kaizen in the shop floor for increase productivity.
* Give the on job training new operators.
* Responsible for Welding fixture Product maintenance & Spare parts arrangement.
* Responsible of Production Planning.
* Having knowledge of teaching, FANUC ROBOTS.
* Document Menten Like Production Report ,Breakdown Report And all check sheet

**PERSONAL DETAILS**

* Date of Birth: 02nd December. 1993
* Gender: Male
* Nationality: Indian
* Marital Status: Single
* Language known: English, Hindi & Bangla.

**NOTE :-**

**I am DIPLOMA passing out 2016 and 2 years preparing of Government job (SSC AND DEFENCE JOB)**