

# CURRICULUM VITAE

**Name – NEVENDU JANA**

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## **CAREER OBJECTIVE: -**

To seek the responsible position where I can utilize my skill and education to play a part in company continuous up gradation of knowledge with strong opportunity for advancement within the company while contributing to benefits of the company.

## **STRENGTH: -**

I am honest self motivated positive frame of mind and dynamic hardworking with disciplined respect for elders devotion and determination are my best friends.

## **WORK EXPERIENCES: -**

**1. COMPANY NAME: - Indo Chains (Raipur) Pvt. Ltd., Raipur, (C.G.)**

- **DURATION – 21 TH MAR 2022 FROM PRESENT**
- **DESIGNATION – HEAT TREATMENT MANAGER**

### **❖ JOB PROFILE ROLES & RESPONSIBILITY: -**

- Heat Treatment **Production & Planning and Process Control & CGCF, SQF & PIT Furnaces, Induction Hardening with Shot Peening, Shot blasting, IR Softening, Annealing, Auto Straightening, MPI, Laser marking machines etc.**
- Knowledge about **IPSEN CGCF and SQF & DONGWOO CCF-1 & CCF-2 Furnaces, SQF (Make - Hi Carb, Radial Engineers.) & PIT - (Make - Quartet Thermal, Wellmake, Pyrotherm and Kk Thermal), IPSEN & DONGWOO Make - Handle Endo Gas Generator.**
- Heat treatment in **Sealed Quench Furnace and Continuous Gas Carburizing furnace & Process control using Endo Gas Generator with Metallurgical Laboratory.**
- Knowledge of **Induction Hardening machine (make-Inductotherm/Osean induction/Electrotherm).**
- **Overseeing and managing the production processes** to ensure that the **production targets** are met within the **established timelines and dates** established by **plant and demand planners.**
- **Ensuring planning of operations and manpower for daily production.** Supply of **Heat Treated material** to the internal customer i.e. **Hard Machining shop.**
- Developing and implementing production plans to meet customer demand while maximizing efficiency. Designing and implementing production processes and procedures to improve product quality and minimize waste.
- Provided **support to all manufacturing department and engineering projects** and develop appropriate materials and ensure efficient and smooth operations. **Control of all operational aspects incl. operations & production, quality, plant production development & safety.**
- Research & Development work like the **selection of an appropriate heat treatment cycle** without sacrificing customer requirements. Monitoring the heat treatment process **continuously and taking there media action if any deviations are found.**
- **Resolving HT process issues guiding team in case of furnace breakdowns & Able to manage day to day activity, production planning and execution.**
- Supervisions of various types of Heat Treatment operation like **Normalising, Diffusion, Hardening, Quenching, Tempering, Volume Hardening, Carburizing, Induction Hardening.**

- **Maintained process and output parameter in SCADA like Graphs plots, Temperature, CP, Cycle Time, Bath Concentration, Gas flow.**
- Experienced of **Metallurgical inspection in wet lab & met lab.**
- Handling of **Wet Lab** - Cutting, Grinding, Mounting, Polishing, Lapping, Etching. **Met lab** - Operating of Brinell Hardness Tester, Rockwell Hardness Tester, Vickers Hardness Tester, Micro Hardness Tester, Metallurgical Microscope with Image Analyser, Millipore Checking, Spectro Test.
- After Heat Treatment processes to witness & Inspection of heat treated parts for **surface hardness, core hardness, Effective case depth, microstructure analysis, with traceable documents.**
- Conducting visual inspections, dimensional measurements, **non-destructive** and destructive tests on materials and components as required. Perform **chemical analysis and mechanical testing** on mate.
- Guiding Metallurgy lab team maintain lab consumables stock. Performing mechanical tests such as **tensile testing, impact testing, and hardness testing.**
- Maintaining stock of required **HT fixtures** and other consumables like **Quenching Oil, steel shots, tooling** etc.
- **Maintaining Health of HT Shops equipment through periodic calibration, Shut down maintenance quality PM activities.**
- Carrying out of furnace and process validation with proper traceable documents and **calibrating the Furnaces and metallurgical instruments** with appropriate service parties as per schedule.
- Ensuring that Heat Treatment production equipment & Metallurgical equipment is properly maintained and calibrated to minimize downtime.
- **Reduction in rejection cost and rejection PPM** through detailed root cause analysis for **corrective and preventive actions.**
- Maintaining records related to **production, rejection, material movement, manpower productivity.**
- **Inventory management and control for the HT Shop. Perform test on all components and ensured prevention of rust and maintain cleanliness of all equipment.**
- Implementing actions on Tools and Indirect Materials costs to keep them in targets.
- Knowledge about **AM, SWCT, SWC, 5S, POKA YOKE, KAIZEN, SHIFT START & END.**
- Knowledge about **B2B, AHQC, TPM, JH, MSES.**
- **Worked on ISO-TS 16949 documentations & CQI9.**
- Knowledge about Implementing of **TQM, TPM, 5S, FIFO** activities in the shop.
- Ensuring compliance with safety and environmental regulations and protocols.
- **Heat treatment vendor development & management, Vendor process monitoring & product inspection. Knowledge About the Various Types of Ingredient Mix Related to the Industry**
- Hands on experience in **vendor management and vendor development for Forging and precision machining components, Turning / Milling/Drilling/ Cutting / Profile cutting / Heat Treatment.**
- **To make a list of Vendors and make a Plan to visit at Vendor(s) premises Area.**
- **Identify New Vendors as Well as Manage the Existing Vendors. Negotiate and Strike Deals with the Vendors.**
- To visit all **Heat Treatment / Machining / Forging Vendors**, where ICR jobs are processed and to witness of process cycle & Inspection of job Components under **Heat Treatment / Machining / Forging.**
- Handling of vendors areas like **m/s Kalyani forge ltd, Western India Forging Pvt ltd, m/s Pune metal Treater, m/s Unitherm, m/s Induction Thermal Treatment, m/s Induction Heat treaters.**
- **To discuss with Vendors for Quality issue & tech. problem if any & to Co-ordinate with mang.**
- **To Check the Process Parameter with respect to the Predefined process Parameters as per std.**
- Provided material on time to **our internal customer & ensured 100% timely customer delivery.**
- **Helping dispatches arranging Transporter of loading/unloading material movement for delivery purpose.**
- **To do the plan with Customer and make a schedule for Delivery of Heat-Treated Material.**
- To Check the Process Parameters with respect to the Predefined process Parameters as started in ICR Service Order. It is applicable for all component like Hardening/Carburizing/Induction Hardening.
- **Self driven approach & Strong follow up, Discipline, Hard Working, Decision making, Team work .**

2. COMPANY NAME: - **FLASH VIVEN MACHINING TECHNOLOGIES PVT LTD.** CHAKAN, PUNE, MAH.

- **DURATION** – 26 TH MAR 2020 TO 21 TH MAR 2022
- **DESIGNATION** – **ENGINEER (SHIFT INCHARGE)**

❖ **JOB PROFILE ROLES & RESPONSIBILITY: -**

- Heat treatment **Production & Planning** and Process control, Operating **CGCF** and **SQF**, Hands on Experience on **CCF**, Shot Peening, Shot blasting, IR Softening, Straightening, MPI, Laser marking.
- Knowledge about **IPSEN CGCF & DONGWOO CCF-1 & CCF-2** Furnaces, **SQF & PIT** type furnaces, **IPSEN & DONGWOO make Handle Endo Gas Generator**.
- Handle all Heat Treatment Shop Floor Including **Shot Blasting** Machines, **Shot Peening** Machines, **Infrared Thread Softening** Machines, **MPI** Machines, **Straightening** Machines, **Laser Marking Buffing, deburring, Auto anticarb pasting machines, etc.**
- Knowledge of **DISA Shot blasting and COGEIM Shot blasting, SURFIS KLENZ Shot peening** (Centrifugal 1 Wheel Shot peening & Multi table shot peening Gears and Pinion), **GALDABINI & PEGASYS Straightening, SINAC Induction Annealing, LITEL IR Softening, Laser marking, MPI** Machines, etc.
- **Experienced of Metallurgical inspection in wet lab & met lab.**
- Handling of **Wet Lab** - Cutting, Grinding, Mounting, Polishing, Lapping, Etching. **Met lab** - Operating of Brinell Hardness Tester, Rockwell Hardness Tester, Vickers Hardness Tester, Micro Hardness Tester, Metallurgical Microscope with Image Analyser, Millipore Checking, Spectro Test.
- **Checking** of Test piece & Cut piece samples (Checking Surface hardness, Core hardness, Effective Case depth, Microstructure) & maintain accurate records of heat treatment processes and results.
- Operate and monitor heat treatment equipment, such as furnaces, ovens, and quenching tanks.
- Follow work orders and specifications to determine the appropriate heat treatment process for different materials.
- Set and control heat treatment parameters, including **CP, temperature, time, and cooling rate.**
- Knowledge about **AM, SWCT, SWC, 5S, POKA YOKE, KAIZEN, SHIFT START & END.**
- Knowledge about **B2B, AHQC, TPM, JH, MSES.**
- **Knowledge of DWM Activity** - 1. Shift start up meeting, 2. Manpower allocation in every work station, 3. First piece verification as per 3 level inspection report & set up report in every work station of HT cell, 4. Hourly board updated & production monitoring, 5. Control sheet and setup report verification, 6. 5's & Levelled process audit (LPA), 7. Trouble shooting in HT cell, 8. Daily Rework & Rejection monitoring & analysis on machine, 9. Daily basis to work in Project and Kaizen activity to reduces cost, 10. Ready ness for next shift, 11. Feedback meetings, 12. Updated cell board, 13. Production review meetings, 14. Training provided to new operating Engineer, 15. Materials Availability within shift, 16. TPM Board updated Manpower utilisation to achieved our production target as per PPC plan.
- **Production plan as per internal customer requirement & Continuously productivity and quality Improvement.**
- **Daily Inspection & Confirmation of POKA YOKE, ALARMS, JH activities & action on abnormalities.**
- Daily analysis of process parameter trend charts in **SCADA alarms & action on abnormal.**
- **Reduce & eliminate Heat Treatment process related internal Customer Complaint.**
- **Strong analytical & problem solving techniques. Ability to guide and motivated our team to achieve desired results.**
- **Responsible for own circle to meet production schedule as per the planning, Achieving management daily target with meet 100% quality, Manpower deployment every work Station.**
- Maintaining **Quality record & First piece, Last piece and Setup piece inspection as per instruction of quality parameters**, improving productivity using Kaizen Activity.
- **Maintain our documentation as per our IATF 16949 Requirement.**
- **Monitoring Consumables items daily basis (LPG NH3 PNG)**
- Responsible to resolve Issues in line m/c using PDCA (plan-do-check act), Why why Analysis, Identifying factor for short term and long term solution.
- **Prepare daily production report with review and update the quality report.**
- **Able to handle and operate all machine in HT cell.**

**3. COMPANY NAME: - SPICER INDIA PVT. LTD. (DANA + ANAND GROUP) CHAKAN, PUNE, MAH.**

- **DURATION - 24 OCT 2016 TO 25 MAR 2020**
- **DESIGNATION – JUNIOR ENGINEER**

**❖ JOB PROFILE ROLES & RESPONSIBILITY: -**

- Operating Continuous gas Carburizing Furnace (CGCF), Operating **Press Quench and Robot cell**.
- F/C **Emergency** situations handling, rectify day to day **breakdown** in shift (**LOTO**).
- Knowledge of Heat Treatment process like **Case Carburizing, Diffusion, Hardening, Tempering**.
- Operating of **Shot blasting, shot peening, Straightening, Induction Annealing M/C & MPI**.
- Operate and maintain laboratory equipment, such as microscopes, spectrometers, & hardness testers.
- Prepare samples for analysis, including **cutting, grinding, mounting, and polishing**.
- Operating **Sieve Analysis** and Operating **Magnaflux**. Operating of Leco cutting machine.
- Understanding of **work instructions** and **Process Control Plan and Process cycle sheet**.
- Knowledge about **AM, SWCT, SWC, 5S, POKA YOKE, KAIZEN, SHIFT START & END**.
- Knowledge about **B2B, AHQC, TPM, JH, MSES**.
- Checking all quality like **Intensity, Coverage, Runout, HAZ** (heat effected zone), **Ovality & TIR**.
- **System Accuracy Check (SAT), Application of SPC, SAP Booking, FIFO Materials**.
- **Training given to new operator & contractual labour with OJT**.
- **Maintain 1s 2s 3s in HT cell, Maintain PQCDSM in HT cell**.
- Monitoring consumables items daily basis (**NG, N2, CNG/PNG, LPG**).
- **Worked on ISO-TS 16949 documentations & CQI9**.
- Effective Communication, Team Building, Relationship Management, Accept challenge.

**4. COMPANY NAME: - FEDERAL MOGUL POWERTRAIN. (ANAND GROUP) CHAKAN, PUNE, MAH.**

- **DURATION – 01 TH OCT 2015 TO 8 TH OCT 2016**.
- **DESIGNATION – APPRENTICES IN PRODUCTION DEPT.**

**❖ JOB PROFILE ROLES & RESPONSIBILITY: -**

- I have a good experience of **manufacturing** line like Press Shop, (All 400t 160t 63t 45t 32t).
- Operating of hydraulic pneumatic and Vacuum Compressed Moulding Machines (**VCMM**).
- Basic knowledge about **CNC, VMC, HMC, M/C** programming G-code, M-code.
- **Responsible for own circle to meet production schedule as per the planning**.
- **Achieving management daily target with meet 100% quality**.

**ACADEMICS: -**

<b>DEGREE / CERTIFICATE</b>	<b>INSTITUTION</b>	<b>UNIVERSITY / BOARD</b>	<b>YEAR OF Passing</b>	<b>Stream / Branch / Specialization</b>	<b>% of Marks / Grade</b>
BE	The Institute of Engineers India,		Pursuing.....	<b>Metallurgical Engineering</b>	
<b>Diploma</b>	The New Horizons Institute of Technology, (Durgapur)	W.B.S.C.T.E.	2015	<b>Mechanical Engineering</b>	71.8
<b>Higher Secondary (X+2)</b>	Iswarpur B. M. Academy,	W.B.S.C.V.E.T.	2013	Beng, Eng, Phy, Chem, Math, Computer, (Cam & Caff)	74.63
<b>Secondary Examination (X)</b>	Iswarpur B. M Academy,	W.B.B.S.E.	2011	General	45.37

**COMPUTER SKILL: -**

FAMILIER WITH O/S :- WINDOWS XP PROFESSIONAL, WINDOWS VISTA, **WINDOWS 10/11.**  
 SOFTWARE :- **MS-OFFICE, AUTO-CAD, MS EXCEL, MS WORD.**

**TRANINGS & CERTIFICATE: -**

- 15 days of **Vocational industrial training** (2014) from **Steel authority of India Ltd.** (Durgapur) as a trainee.
  - \* **Skills learnt** - BLAST FURNACE, COKE OVEN, WHEEL & AXCEL PLANT, CCP,
- 2 Months of **Disha Innovation Training** (2016) from **Federal Mogul Powertrain Ltd.** under which developed a **project** productivity improvement in machining cell.
- **Creative Skill Training** (2017) from **Spicer India Pvt Ltd** has successfully completed the program and it's application through **project**.
  - \* **Skills learnt** - 5S, AM, CLRI, SWCT, SWC, SAFETY, KAIZEN, 4M, PPM, JBS, PCP, SMED, NC, HYJUNKA, SPC, JH, TPM, B2B, AHQC, MSES, EWT, DOS, MBF, WHY WHY ANALYSIS, FMEA, MSA.
- **Advanced Skill Training for Engineers** (2018) from **Spicer India Pvt Ltd.** under which developed a project Reduce the rework PPM. I took responsibility of a team leader and got An certificate for successfully completing the project in line.
  - \* **Skills learnt** – ERGONOMICS, PDCA, KAIZEN, CPK, PFC, COST, COQ, COPQ, CAPA, DAPA, DMAIC, 7QC TOOLS, GLOBAL 8D, GD&T, SIX SIGMA, QRQC, QMS, VMAPQ, REBA, APQP, PPAP.
- **Disha Training** 2020 from **Spicer India Pvt Ltd** has successfully completed the program.
  - \* **Skills learnt** – COMMUNICATION SKILL, LEADERSHIP VALUE, TIME MANAGEMENT, CRAFT, KSA, 3'P'S, IQ/EQ, MONEY MANAGEMENT,
- **Fire Fighters Training** (2019) from **Spicer India Pvt Ltd.**
  - \* **Skills learnt** - Fire Extinguisher, Type of Fire, Risk, Near miss, Unsafe act, Unsafe condition, Incident, Loss time Incident, Permanent incident, First Aid, Safety, OS&S.

**PERSONAL DETAILS: -**

**FATHERS NAME :- PARESH KUMAR JANA**  
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**Contact No :- +91 9093238758**  
**NATIONALITY :- INDIAN**  
**RELIGION :- HINDUISM**  
**CASTE :- GENERAL**  
**GENDER :- MALE**  
**MARITAL STATUS :- SINGLE**  
**LANGUAGE KNOWN :- \* ENGLISH, HINDI, BENGALI,**

**HOBBY :- • READING DIFFERENT TYPES OF BOOK & WRITING NOTE ABOUT THEM.**

- **PLAY CRICKET & INTERNET SURFING.**
- **LISTENING TO SONG.**
- **DRIVING CARS & BIKE.**

**DECLARATION: -**

I hereby declare that all the above mentioned information is correct true to my knowledge and I bear the responsibility for the correctness of that above mentioned particular.

**Place:.....**

**[NEVENDU JANA]**

**Date:.....**

