

CURRICULUM VITAE

NAME: Ajay S.P

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OBJECTIVE:

To be a valuable contributing resource with a professional organization that will support and encourage my pursuit to provide services of the highest quality.

EDUCATIONAL BACKGROUND:

Education	Board	Year of passing	Class obtained
B.E (Mechanical Engineering)	V.T.U	2017	First Class
P.U.C	K.S.S.E.B	2012	Second Class
S.S.L.C	K.S.S.E.B	2010	First Class

EXPERIENCE DETAILS:

- 1 Years experience in HSE.
- 3.7 Years' experience in N.P.D and Methods.
- 1.3 Years' experience in Manufacturing Engineering.

Organization:

1. SAFRAN-HAL AIRCRAFT ENGINES PVT LTD.... Effective from SEP 2017 to NOV 2021

2.MAHINDRA AEROSTRUCTURES PVT LTD.... Effective from DEC 2021 to JUN 2022

3.GKN AEROSPACE ENGINES PVT LTD.... Effective from JUL 2022 to Till Now

- **Job Responsibilities: (METHODS)**

- Feasibility of the NPD part to be industrialized.
- Conducting the Risk assessment involved in the NPD.
- Analyzing the Process **PFEMA** and **Milestone** at each stage of Industrialization.
- Creating Bill of materials (**BOM**) for the development parts
- Creating Routing Cards for NPD Parts using ERP (SYTLINE) software
- Defining the manufacturing scheme & manufacturing Process for the NPD
- Creating **SOP'S** for the manufacturing process.
- Maintaining the records of **ECN & PCN** changes
- Member of **CFT** (cross -functional- team)

- **Job Responsibilities: (METHODS:- Process Engineer: Welding)**

- Freezing the welding parameters for the NPD parts.
- Defining the feasibility and risk assessment involved in the welding operation during industrialization.
- Responsible for qualification of welders as per AWS D17.4/ISO 14394
- Maintaining of PWPS & PWPS ,PQR for welding process
- Handling TIG welding operations (Tack welding, Manual welding, semi-automatic welding & Robotic welding)
- Solving complicated welding problems and developing Proto type jigs and fixtures for welding operations.
- Robotic teaching & Tuning for welding of NPD Parts.
- Cost Reduction Technique in Welding and Brazing Process.
- Handling C.F.T (Cross Functional Team) for the rework parts.

- **Job Responsibilities: (METHODS:- Process Engineer: Brazing)**

- Freezing the Brazing parameters for the N.P.D parts.
- Defining the Risk assessment & feasibility involved in the brazing Process.
- Implementation of brazing set-up for the complicated parts.
- Development of jigs and fixtures proto-type to improve brazing process.
- Sketching the coil design required for the Induction Brazing Process.

- **Job Responsibilities: (Manufacturing Engineer)**

- Input study of the Project and performing gap study analysis.
- Support and Perform APQP activities. (Requirement capture-C.M, PFD, PFMEA, and Control plan)
- Development of Reference PFMEA's and Example PFMEA's.
- Development of ZDM guide lines required for the APQP activities.

JOB PROFILE:

- Documenting the Industrial Validation Forms for FAI or DVI Parts.
- Defining the Manufacturing scheme and manufacturing Process for the FAI (creating the Route Card).
- Documentation of Control Plan, Key characteristics of Manufacturing Process, and Ballooning of NPD Parts.
- 5 S activities.
- Process Re-Engineering in Welding and Brazing operations.
- Creating General Work Instructions (GWI), and Specific work instruction (SWI) for Welding and Brazing Operations.
- Problem analyzing & action plan for the same.
- Participating in suggestion scheme for continual Improvements.
- Ensures discipline, punctuality, cleanliness and work culture
- Process trainer for the welding and brazing operations.

KNOWLEDGE:

- KNOWLEDGE about **AS 9100 D and the Quality management system involved in it.**
- KNOWLEDGE about **BOEING & AIR BUS Welding standards.**
- KNOWLEDGE about Geometric Dimension and Tolerance
- KNOWLEDGE about AutoCAD 2D Drawing and Drafting
- KNOWLEDGE about **TIG welding** operation and **Induction Brazing** operations.
- KNOWLEDGE about Wiring harness process.
- KNOWLEDGE about Yaskawa language (Robotic language).
- KNOWLEDGE about ERP Software & SAP
 - **8D** Analysis Tool for the Route cause and Problem solving.
 - Knowledge about Sheet metal forming operations and fabrications
 - KNOWLEDGE about implementing 5s & P.P.Es in the work stations

PROJECTS HANDLED:

- Robotic Welding of Elliptical Parts of Leap 1A & 1B in the Industrialization Process.
- Robotic Welding of Shell Wool Sheet Metal Parts of Leap 1A & 1B Aircraft Engines.
 - Manual, Semi-Automatic (Orbital Welding), Robotic Welding Parameter Freezing of RAMP Pipes for Leap 1A Engine with J2 Class Criteria.
- Brazing setup and Parameter Freezing of Complicated Leap 1A & 1B Complex Pipes.
 - Implementing Cost Reduction in Ramp Tubes without T-ring and Filler Material in Welding.(Boeing & Airbus project)
- Brazing of Sheet Metal Parts in the Cooling Manifold Project using Oxy-Acetylene.
- Development of Dassault parts – welding feasibility and welding qualification.
- G.E- Fan blade Assembly APQP Project support.
- Airbus-EWIS APQP Project support.

PERSONAL STRENGTHS:

- A practical & systematic approach towards work.
- Very good ability to lead the Team.
- Ability to go to the root cause of every problem and solving the same.
- Responsible for man power handling

PERSONAL PROFILE:

Date of Birth : 25-01-1994.

Sex : Male.

Nationality : Indian.

Language Known : Kannada, Hindi, English, Telugu, Tamil.

Permanent Address : Flat No 204
Saswath serenity apartment, TC Palya, KR Puram
Bangalore-560036

Declaration:

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

Place:

your's truthfully

Date:

(Ajay S.P)

