

ANDARASAN P

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2-463, Keelanatham, Udayarpalayam TK,
Ariyalur DT- 621701.

To work in a competitive and challenging work environment, to contribute best of my ability towards the growth and development of a progressive company and to fully utilize my interpersonal and academic skills to pursue a challenging and rewarding career and be loyal to the organization.

Area of Expertise

- New product Process design and development
- Assembly line proving and establishment
- Cell Re-engineering for productivity improvement
- Low Cost Automation
- Nondestructive testing
- Inspecting the quality of the finished product against industry standards.

Experience Details

A. Employment Details

- **Company Name** : CATERPILLAR INDIA PRIVATE LIMITED Deputed through AXISCADES TECHNOLOGIES LIMITED CHENNAI, TN.
- **Nature of Business** : Manufacturing OHT and LMT trucks for the mining and construction industries.
- **Period** : 10-Aug-2022 to the Present.
- **Present Designation** : HEG- Engineer.

Role and Responsibilities

- Created VBOM for LMT – 789D & 785D trucks.
- Done Torque Audit & Tool planning for LMT – 789D & 785D trucks.
- Created PFMEA , SFMEA & PFC .
- Created SWES for Truck assembly .
- Assisting Frame movement Trolley Project. It's a production velocity improvement Project.
- Assisting Rear Axle Mounting Equipment Project .it's also a Production velocity improvement project.
- Done accessibility validation for Lifting Tackle and Fixture for machine assembly.

B. Employment Details

- **Company Name** :WABCO INDIA LIMITED (Ambattur, Chennai. Plant 1)
- **Nature of Business** :Air-assisted and air brake systems & accessories for commercial vehicles
- **Period** :21-April-2018 to 21-April-2020
- **Present Designation** :TGET-Manufacturing Engineering

Role and Responsibilities

- **New product Process design and development**
 - Process design and development Actuators and Drive line control parts (Spring brake actuators, Brake Chamber, Tandem master cylinder, Vacuum brake valve and Exhaust brake actuators)
 - Revisiting assembly Process FMEA to find out process failure modes and implementation of action
 - Implementation of design changes
 - Documentation (As per TS16949): - Process flow chart; Process FMEA, QCPC, Operation standard, Process capability reports, poke yoke reports and Cell layout.
 - Line Balancing Through MSD
- **Assembly line proving and establishment**
 - Assembly line proving - MQ1, MQ2, PPAP and Run at Rate
 - Implementing Low cost Automation in Assembly Line
 - Conducting process capability for Nut runners
 - Conducting MSA for Test rigs
 - Conducting poke yoke validation for assembly line
- **Cell Re-engineering for productivity improvement**
 - Conducting Man power estimation for Assembly line
 - Preparing Cell standard for Assembly Line
 - Layout optimization through Lean Concept
- **Quality improvement**
 - Poke yoke implemented to avoid part mix-up against customer complaints.
 - Problem solving by using 7QC Tools.
- **Project Management**
 - Preparing project plan for New projects
 - Tracking of Project Activities through Daily PDCA and Weekly PDCA

C. Employment Details

Company Name : Tube products of India (Murugappa Group) , Avadi, Chennai.
Nature of Business : ERW and CDW manufacturer and Axle, Tie-rod, Front fork.
Period : 19-September-2017 To 20-April-2018.
Designation : Trainee -Line leader.

Responsibilities:

- Conduct Pre-production meeting and allocate manpower to the production.
- Day to day planning according to the customer need.
- Monitoring line efficiency in every hour.
- Ensure material availability to run the line. Attending line problems.
- Performing 5S activities.
- Review overall efficiency of the line and manpower utilization of the day with supervisor.

Computer Proficiency

Technical Software:

- Basics of AUTO CAD
- MS Office (Excel, Word,& Power Point)
- Basics of SAP
- Team Center Vismockup.

Professional Training

Technical Training:

- QR6S – Quick response six sigma.
- Process Failure Modes and Effect Analysis (PFMEA).
- 5S and its importance in industry.
- Measurement System Analysis.
- 7QC tools – Importance and applications.
- Training on SMED concepts.
- Manufacturing Feasible Request .

ACADEMIC PROJECTS

- Investigation of High-speed tuning operation by using INCONEL 718.

Academic Credentials:

Academic Qualifications	School / College studied	Board / University	Year of Passing	Percentage (%)
B.E (Mechanical Engineering)	Mookambigai College of Engineering, Pudukottai	Anna University	2017	63
HSC	Dhanalakshmi Srinivasan Higher secondary school, Perambalur	State board	2013	90
SSLC	Govt.Higher Secondary School, Vikkiramagalam	State board	2011	93

Personal Dossier

Date of Birth : 07.03.1996
Father name : Pakthavachalam D
Languages Known : English, Tamil
Gender : Male
Marital Status : Single
Nationality : Indian
Permanent Address : 2-463,West Street,Keelanatham, Udayarpalayam(Tk),Ariyalur(Dt)- 621701.

I hereby declare that the particulars furnished above are correct to the best of my knowledge and belief.

Place: Chennai.

(P Andarasan)