

# **Karthikeyan Gandhi**

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Seeking assignments in the field of Process Engineering / Industrial engineering / Manufacturing engineering / New Product Development with leading organizations in Auto / Auto Ancillary sector.

## **SUMMARY**

- ✓ Mechanical Engineer with an experience of **12 years** in the field of Process Engineering / Industrial engineering / Manufacturing engineering / New Product Development with leading organizations in Auto / Auto Ancillary sector & Consumer goods manufacturing.
- ✓ Currently associated with **Tata magna seating systems** as a Deputy Manager-PED.

## **Skills expertise:**

- ✓ Equipment selection, ordering, Installation and commissioning.
- ✓ Process design and line facilitation.
- ✓ MOST & MODAPTS - Time and motion study.
- ✓ APQP/PPAP – New product development.
- ✓ Jig & Fixture facilitation.
- ✓ Innovations projects implementations – Low investments
- ✓ Problem-solving skills.
- ✓ Continuous improvements project execution
- ✓ Work standardization-Process & Non-process

## **CAREER CONTOUR**

<b>Dec'19 to till now</b>	<b>Tata magna automotive seating system, Chennai</b>	<b>Dy.manager</b>
<b>Mar'19 to Dec'20</b>	<b>Hyundai Dymos India limited, Anantapur, AP</b>	<b>Dy.manager</b>
<b>Nov'16-March'19</b>	<b>Lear Automotive India Limited, Chennai</b>	<b>Asst Manager</b>
<b>July'13-Oct'16</b>	<b>Whirlpool of India limited, Pondicherry</b>	<b>Senior engineer</b>
<b>Apr'10-June'13</b>	<b>TATA Johnson Controls Automotive Ltd, Chennai</b>	<b>Process Engineer</b>

## **Key Deliverables – Tata Magna automotive seating system , Chennai.**

- ★ Establishment new building for customer like PSA & OLA motors.
- ★ New line setup as per customer forecasted volume. (4wheeler & 2 wheeler seat assy)
- ★ Handling Process change management
- ★ Monthly manpower calculation and signed off with respect each functions.
- ★ Takt analysis and line balancing activities.
- ★ Civil activities like new office construction
- ★ Packaging finalization of raw materials and finished goods
- ★ Material handling equipments readiness (Hand pallet truck , Dock leveler , Scissor lift)
- ★ Jig and fixture readiness
- ★ PPAP submission related process engineering
- ★ Process document creation (New model) & updating for existing model (PFC,PFMEA,WIS)
- ★ Training to new operator to develop the skills / up gradations.
- ★ Plotting layout diagram (Auto CADD) for line readiness / Changes.

## **Achievements – Tata magna automotive seating system, Chennai**

- ★ Successfully launched S1/S1 Pro seat assembly line for OLA electric vehicle
- ★ Successfully launched CC21 Citroen seat assy line.
- ★ Established building for accommodating two customer line

### **Key Deliverables – Hyundai transys India limited, Anantapur, Andhra Pradesh**

- ★ Execution of new line setup by installing new equipment's and machinery as per agreed layout.  
(For SELTOS , CARNIVAL , SONET models)
- ★ Measuring time measurements and making line balancing activities for new and existing models.
- ★ Process documents updating as per changes in the line.
- ★ Standards documents preparations for new programs.
- ★ Doing regular process audit in the line and measuring conformity and non-conformity process with in the assembly line.
- ★ Facilitations in the assembly line for cycle time improvements.
- ★ Conducting production trial runs along with cross functional team members for UPH Agreement.
- ★ Poke yoke implementations in the assembly line.(For critical operations)
- ★ Adhering project time line as per KIA or Hyundai launch systems.
- ★ Analysing VA NVA NNVA Ratio's in assembly line and eliminate NVA's and NNVA's by doing continuous improvements.(Elemental process study)

### **Achievements – Hyundai transys India limited, Anantapur, Andhra Pradesh**

- ★ Launched KIA Car seating line for the SELTOS, CARNIVAL, and SONET Models successfully.
- ★ Went to **SOUTH KOREA** for CARNIVAL, Bi3 Model development support (During Aug'19 to Sep'19) – Along with 3 line operators.

### **Key Deliverables – Lear Automotive Limited**

- ★ Cycle time analysis to identify value added and non-value added activities.
- ★ Layout preparations and getting approval with CFT for any changes.
- ★ Manpower estimations & monthly signed off with CFT members as per customer foretasted volume.
- ★ Conduct regular productivity brainstorming session with line leaders & JPH Improvements activities.
- ★ Driving space optimization projects and execution supports.
- ★ Conduct LPA audit and participate NC Closure related to process issues.
- ★ Low cost automation to reduce fatigue in assembly line.
- ★ Packaging standard definitions for raw materials for the assy line.
- ★ Customer packaging related supports (Form 1271 submission in GPP and approvals from customer)
- ★ Regular 7 Waste, Kaizen and 5S walk and issue closures.
- ★ Handling process change management (PCR & PCN).
- ★ EHS Co-coordinator for IE Department (Aspect impact / Context of organization / Interested of parties)
- ★ Improving visual factory displays across shop floor.
- ★ Customer issues updations in process documents like PFD, PFMEA, Work instructions.

### **Achievements – Lear Automotive Limited:**

- ★ Ford B515 Eco sports seat assembly line installation and commissioning. (First row & Second row)
- ★ Process and manpower optimization through MOST Study. (14HC – DL -2018)

### **Key Deliverables - Whirlpool of India Ltd**

- ★ Work standardization through whirlpool production system.
- ★ In-direct manpower study and optimization planning with CFT.
- ★ Continuous improvements monitoring through valid kaizen reviews
- ★ Make vs. buy analysis for critical components.
- ★ Productivity improvement through operator's suggestions.
- ★ Monthly manpower estimations with respect to customer volumes and signed off with end users.
- ★ Ergonomic improvements.
- ★ Monthly Information System (MIS) Preparation and presenting to management
- ★ Equipment note generations for new equipment's ordering.

### **Achievements – Whirlpool of India Limited:**

- ★ 40% productivity improvement in bellow assembly (From 1250 nos to 1750 nos)
- ★ In-direct man power reduction – 6-man power (From 29 m/p to 23 m/p)
- ★ Cost saving initiation – FG Handling (Horizontal machine loading)

### **Key Deliverables - TATA Johnson Controls Automotive Ltd**

- ★ Process documentation (PFD, PFMEA, CP, WI, VM)
- ★ Suggestion's scheme co-ordination & regular reviews
- ★ Time study through MODAPTS
- ★ Kaizen assignments and driving continuous improvements
- ★ Time & motion study (Indian & Modapts & Most)
- ★ Change management
- ★ Ergonomic reduction projects

### **Achievements – Tata Johnsons controls automotive limited:**

- ★ Installed palletized conveyor for FORD Front seat assembly. (FORD B517-FIGO , FORD B376-FIESTA, FORD C515-IKON)
- ★ Introduced 8 poke-yoke in FORD FIGO Front and rear seat assembly line.
- ★ Motion study to analyse man delta in ford front and rear seat assembly line using MODAPTS.
- ★ Launched and supported B299(NEW FIESTA - FORD), H79(DUSTER - RENAULT)
- ★ Went to **JCI AUSTRIA** and **REMES GERMANY** to understand process and tester equipment's of R60 seating assembly and implemented the project in **JCI Chennai** successfully. (MINI COOPER-BMW)
- ★ One-piece flow production in FORD FIGO Front and Rear seat assembly.

### **Key Strengths**

- ★ Strong Documentation Knowledge (PFMEA, Control Plan, Work instruction, SPC, Visual managements)
- ★ Ability to do internal process audit and to study bottle neck operations
- ★ Good Manufacturing process knowledge which helps me to probe and figure out problem root causes

### **Reason for change:**

- ★ Shouldering new responsibilities & Professional growth / Value addition to other product & services.

## TRAININGS

- ★ MODAPTS – Time study method US Standard through process videos.
- ★ MOST – Time study and motion study.
- ★ Potential Failure Mode Effects Analysis (PFMEA) & MSA
- ★ APQP/PPAP
- ★ Lean manufacturing
- ★ IATF
- ★ 7QC Tools

## COMPUTER SKILLS

- ★ Auto cad - 2009
- ★ Microsoft –Word, Excel, PowerPoint
- ★ MFG-Pro, SAP
- ★ PLM, Team centre VISMOCKUP, W planner

## SCHOLASTICS

- 2009 BE (Mechanical Engineering) from SKP Engineering College, Tiruvannamalai, Anna University with **80.36%** marks
- 2005 HSC From Sri VDS Jain Higher secondary school, Tiruvannamalai, Tamil nadu board with **73.58%**
- 2003 SSLC from P VDS Jain Higher Secondary School, Tiruvannamalai, Tamil Nadu Board with **85.6%**

## BEYOND SCHOLASTICS

- ★ Member: ISME - since 2006

## PERSONAL DOSSIER

Father's Name: P. Gandhi

Mother's Name: S. Jayalakshmi

Nationality: Indian

Marital status: Married

Hobbies: Playing cricket, listening to Music, Carom, Social services

Date of Birth: 16<sup>th</sup> July 1988

Linguistic Abilities: English, Tamil, Telugu

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**Place: Tiruvannamalai, Tamil nadu**  
**Date:**

**(G. KARTHIKEYAN)**