

Saravanaprabu Savundappan

Profile Summary



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*Competent individual targeting senior-level assignments in **Quality Management and Research & Development** with an organization of repute preferably in **Qatar, UAE and Singapore***

- **Certified Six Sigma Green Belt, Six-Sigma & Quality Improvements and Lead Auditor (ISO 9001:2015)** with nearly 15 years of experience in **Quality Management, Research & Development, Process Enhancement** and **Cost Optimization**
- Successfully executed **Environmental & Safety Certification** and **Internal Audit Activities** (ISO 14001 and OSHAS)
- Proficient in executing inspection of incoming, in-process materials and assembly finished goods; skilled in taking stringent quality measures & capably organizing quality awareness programs in the organization
- Merit of **enhancing products** and implementing policies for advance manufacturing & quality control
- In-depth knowledge of concepts of **Quality Management System** (ISO 9001:2015), **Audits** (Internal/External), **Calibration** (ISO 17025), **Technical Training of Quality Control Technicians, Vendor Product Analysis & Approval, Non-Conformity Analysis** and **Corrective Actions, Geometric Dimensioning & Tolerance (GD&T), Lean** and **Six Sigma Manufacturing Techniques**
- **Achieved required quality level** in products as per existing regulatory / statutory standards by enhancing process operations
- Expertise in ensuring that the teams adhere to all the quality standards and procedures through precision/ calibration and monitoring sessions
- **Efficient organizer, motivator, team player** and a **decisive leader** with the capability to motivate teams to excel and win

Soft Skills



Core Competencies

Quality Assurance & Control



Cost Optimisation



Reporting & Documentation



Process Enhancement



Audit & Inspection



Supplier Management



Research & Development



Liaison & Coordination



Team Building & Leadership



Career Timeline



Organisational Experience

Since Sep'12 with **Alfanar Co.**, Riyadh, K.S.A. as **Quality Department In-charge (QA / QC)**

Company Profile:-

One of the leading company in Riyadh Saudi Arabia manufacturing Electrical switchgear, Transformer, Electrical panel, ceramic product, construction product, and many more products.

Key Result Areas:

- Evaluating processes & tests, analysing products, compiling & reviewing statistical data to determine & maintain quality and reliability of products
- Performing inspection, checklist, first-off part inspection, root cause analysis, internal corrective actions and supplier correction actions to working on design drawings, specifications, schematics, diagrams, written descriptions, layouts or defined plans
- Understanding design drawings, schematic diagrams or formulas and discussing with Design Team to determine quality & reliability standards
- Choosing processes to be audited from primarily manufacturing areas and checking for a variety of features, such as managing practices, work instructions, documentation, training and process integrity
- Picking products for audits at specified stages in production or post-production process and type tests products for variety of qualities such as dimensions, performance & mechanical and electrical or cosmetic characteristics as per governing standard requirements
- Documenting audit data, applying statistical quality control procedures and performing process capability study Cp & Cpk
- Achieving optimum quality within limits of equipment capability by recommending modifications of existing quality inspection procedures
- Preparing SAP Inspection Plan for new materials / SAP QM Module finished goods verification
- Reviewing Q Circle activities (Reports / Pictures/Quotes- Display); conducting shop floor stand up meeting with QC Team for current quality issues
- Developing & analysing graphs or charts of data and entering data into computer for Statistical Analysis & SPC
- Examining type test results and implementing process changes to resolve problems
- Formulating & analysing inspection test plan, process flow and work instructions for all processes regularly
- Inspecting and maintaining records according to ISO documentation requirements
- Studying & following up for non-conformities and taking required corrective actions regularly; resolving 8D problem for customer complaints
- Creating procedures, verifying functional status and recording & documenting calibration process for all testing & measuring instruments used by all departments in the factory
- Drafting report and graphs for Key Performance Index (KPI)
- Imparting training to employee as per quality requirements like 7QC Tools, Sampling Plan, GD&T and Control Charts

Highlights:

- Improved the data analysis process.
- Played a key role in improving supplier packing process and quality.
- Achieved major improvement in overall KPI targets.
- Reduced cost through process and continual improvements.
- Compiled a report on performance of **Steel sheet components** and developed new activities for improvement purposes
- Supervised inspection of raw material which improved product quality by significant %

Previous Experience

Jul'09 – Jul'11 with **Ultra Clean Technologies**, Hayward, CA, USA as **Quality Engineer**

Executed process audits and monitored POR control; worked as Technical Lead to resolve supplier problems using quality tools like DOE and FMEA; collected reports and analysed SPC data

Jan'08 – Jun'09 with Wichita State University, USA as Graduate Teaching / Research Assistant

Conducted a study on material thickness, strength to weight ratio, coating & supporting materials, tool wear rate due to friction, photographic analysis and effect of temperature; designed various projects using AutoCAD, Pro/E and Catia V5; managed inspection using Romer Portable Arm CMM

Jun'05 – Apr'07 with GEA Energy Systems (India) Pvt. Ltd., Chennai as Quality Engineer

Performed shop floor inspections at product layout as per design & standards (ASME - U); drafted quality assurance plan for projects on Air Fin Cooler as per standards (ASME – U)

Certifications

- Completed:
 - **Lead Auditor for ISO 9001:2015** Quality management system by IRCA.
 - **Certified Six Sigma Green Belt** (CSSGB), ASQ
 - **Six-Sigma and Quality Improvements Certification** by WSU
 - **Outstanding Project of the Year 2010 Certification** by ASQ, IIE and HIPECC
 - **Certified Internal Auditor for ISO 9001, ISO 14001 and OSHAS 18001**
 - **Pursuing Six Sigma Belt Certification.**

Courses

- Completed courses on:
 - **Advanced Manufacturing**
 - **Industrial Ergonomics**
 - **Quality Engineering**
 - **Production Systems**
 - **Statistical Methods for Engineers**
 - **Composites Manufacturing**

Internship

- Completed internships with:
 - **Learjet Bombadier**, Wichita, USA
 - **Titan Industries**, Hosur
 - **Pricol Industries Pvt. Limited**, Coimbatore
 - **Roots Industries Pvt. Limited**, Coimbatore

Academic Projects

Title: Shockerphant Simulation Project (*Production Systems Project*)

Organisation: Wichita State University, Wichita, KS

Responsibility: Created an approach for production scheduling, planning & ordering raw materials with forecasted demand of aircrafts

Title: Statistical Analysis and Optimization of Cutting Condition on Turning Aluminium Components with Carbide Tools (*Design of Experiment*)

Title: Design & Fabrication of Automated Batching Plant (*Industrial and Senior Design Project*)

Organisation: VPG MIX Engg. Industries, Coimbatore

Title: Design & Fabrication of Pick and Place Robot (*Industrial and Senior Design Project*)

Organisation: Nachimuthu Polytechnic, India

Technical Skills

- **IE Tools:** Lindo, LAB View Stat Graphics Plus 5.0 and Design Experts
- **Design Tools:** CATIA V5, AutoCAD and Auto Desk Inventor
- **MS Office Tools:** Word, Excel, Access and PowerPoint

Academic Details

- **M.Sc. (Industrial Engineering)** from Wichita State University, KS in 2010
- **B.E. (Mechanical Engineering)** from Anna University, Tamil Nadu in 2005

Personal Details

Date of Birth: 13th March 1984
Nationality: Indian
Languages Known: English, Tamil and Hindi
Present Address: Al – Murraba, Riyadh, K.S.A.
Permanent Address: No. 7, Sri Ram Avenue, 9th Cross, Vadavalli, Coimbatore – 641014, India
Marital Status: Married
No. of Dependents: 2
Passport No.: Valid passport available
Visa Status: Employment Visa
Driving License: Indian and Saudi Licenses