

# SYED AMEER HASAN

## Manufacturing Engineer

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### CORE COMPETENCIES

#### PROCESS IMPROVEMENT

LEAN SIX SIGMA

VALUE ENGINEERING

COST REDUCTION

#### CROSS-FUNCTIONAL LEADERSHIP

ISO 9001/IATF 16949  
COMPLIANCE

OEM MANUFACTURING

ROOT CAUSE ANALYSIS

KAIZEN/POKA-YOKE

PROJECT MANAGEMENT

### PROFILE SUMMARY

Results-driven Manufacturing/Process Improvement Professional with **10+ years** of expertise in Lean Six Sigma methodologies, cross-functional team leadership, and ISO-compliant process optimization. Proven track record in reducing production costs by **10-20%**, improving on-time delivery to **98%**, and driving continuous improvement in **OEM automotive and heavy manufacturing sectors**. Adept at Value Engineering, Cost Analysis, and deploying Lean tools to enhance safety, quality, and operational efficiency. Certified in **Industrial Automation & Process Optimization** with hands-on experience in global project execution and supplier collaboration

### WORK EXPERIENCE

**March'23 – March'25 as Manufacturing Engineer at NAFFCO FZCO (Trucks & Vehicles) , Dubai**  
**Key Result Areas:**

- Led cross-functional teams of **30+ technicians** to optimize sheet metal chassis production, achieving **98% on-time delivery** through Lean workflows and resource reallocation.
- Spearheaded **Value Engineering** initiatives, redesigning **5+ components** to reduce production costs by **10%** while maintaining ISO 9001/IATF 16949 compliance.
- Conducted **Six Sigma root-cause analysis** to eliminate production bottlenecks, ensuring **zero non-conformance** during audits.
- Acted as liaison between design, procurement, and shop-floor teams, reducing rework by **15%** via streamlined workflows

**May'21 – Feb' 23 as Manufacturing Engineer (Process Improvement) at Metal Seam Company Pvt Ltd , Lucknow**  
**Key Result Areas:**

- Redesigned **4+ sheet metal fabrication processes** using PDCA and low-cost automation, boosting output by **18%** and cutting cycle time by **20%**.
- Achieved **BIS certification (IS 2552:1989)** by aligning drum manufacturing with **AS9100-like standards**, reducing defects by **18%**.
- Managed **5+ fabrication projects**, delivering **100% on-schedule** with **10% cost savings** via optimized material usage.

**Jun'18 – Jun'20 as Maintenance Engineer at Plasco Factory for Plastic Industries, Riyadh Saudi Arabia**  
**Key Result Areas:**

- Executed preventive maintenance strategies, increasing production uptime to **95%** and reducing MTTR by **18%**.
- Installed and optimized new equipment, ensuring seamless integration into production workflows.

**Jul'14-May'18 as Production Engineer at Gloria Engineering Company, Lucknow**

**Key Result Areas:**

- Slashed welding defects by **40%** through **Poka-Yoke** integration and 5S workplace organization.
- Reduced sheet metal waste by **15%** via Lean-driven nesting optimization.

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**PROJECTS**

**Value Engineering: Chassis Manufacturing Optimization | NAFFCO FZCO**

- Delivered **60 chassis/year** with minimal rework using Lean methodologies, saving **AED 250K** annually.

**Lean Six Sigma: Drum Assembly Line Cycle Time Reduction | Metal Seam Company**

- Reduced changeover time by **25%** through PDCA and automation, achieving **15% cost savings**

**Quality Improvement: Welding Fixture Validation | Gloria Engineering**

- Cut quality losses from **700 ppm to <100 ppm** via fixture redesign, achieving **Zero PPM** targets.

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**TECHNICAL SKILLS**

- **Process Tools:** Lean Six Sigma, Value Engineering, PDCA, 5S, Kaizen, Poka-Yoke, FMEA
- **Software:** MS Office, AutoCAD, SAP (Basics), Data Analysis (MTBF/MTTR)
- **Standards:** ISO 9001, IATF 16949, AS9100, BIS/IS 2552

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**ACADEMIC DETAILS & CERTIFICATIONS**

- **Industrial Automation & Process Optimization |** Sofcon India Pvt Ltd | *2020–2021 (PLC, SCADA, Hydraulic & Pneumatic Systems, )*
- **B.Tech (Mechanical Engineering) |** B.N College of Engineering & Technology, Lucknow | **69.14% | 2014**
- **12th & 10th |** St. Xavier's Public Inter College, Lucknow | **74.5% & 67.16%**

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**LANGUAGES**

- **English** (Professional), **Hindi** (Native)