

Resume of SURIYA J

Date of Birth : 14 July 1997
Passport No : C8300434 (Valid till 20/02/2035)
Location : Dindigul, India.
Contact No : +91 8760408746
Mail Id : suriya4268@gmail.com
Education / Qualification : Master of Engineering (M.E.) – Industrial Safety Engineering

SUMMARY

Dedicated and results-driven **Mechanical and Industrial Safety Engineer** with strong academic grounding and certified expertise in **ASNT Level II NDT methods including Ultrasonic, Radiographic, Magnetic Particle, Penetrant, and Visual Testing**. Adept at **identifying workplace hazards, implementing safety management systems, and ensuring compliance** with safety standards such as **ISO 45001 and OSHA guidelines**. Strong analytical, communication, and problem-solving skills with a passion for promoting safe engineering practices and operational excellence.

TECHNICAL SKILLS

- Mechanical Systems Maintenance & Troubleshooting
- Safety Equipment Handling & Calibration
- Safety Standards: OSHA, NFPA, ISO 45001, ISO 14001
- Risk Assessment Tools: HAZOP, FMEA, JSA
- Microsoft Office Suite (Word, Excel, PowerPoint)
- AutoCAD – Basic Drafting & Safety Layout Design
- Safety Documentation & Reporting Tools
- Work Permit & Lockout/Tagout (LOTO) Procedures

CERTIFICATION

- Non-Destructive Testing (ASNT Level II Certified):
 - Ultrasonic Testing (UT)
 - Radiographic Testing (RT)
 - Magnetic Particle Testing (MPT)
 - Dye Penetrant Testing (DPT)
 - Visual Testing (VT)

KEY SKILLS

- Industrial Safety Management
- Risk Assessment & Hazard Identification (HIRA/JSA)
- Workplace Health, Safety & Environment (HSE)
- Accident / Incident Investigation & Reporting
- Safety Audits and Inspections
- Permit to Work (PTW) System Implementation
- Fire and Emergency Preparedness
- Environmental Protection and Pollution Control
- ISO 45001 & ISO 14001 Compliance
- Job Safety Analysis (JSA) & Toolbox Talk
- Team Coordination and Safety Training
- Documentation and Report Preparation
- Continuous Process Improvement
- Strong Interpersonal & Communication Skills

WORK EXPERIENCE

Employer : 3eco Systems Private Limited
Title : Mechanical Engineer
Region : Coimbatore, Tamil Nadu, India
Duration : 2021 - 2023

- Supervised installation, testing, and commissioning of HVAC, plumbing, drainage, and fire-fighting systems for residential, commercial, and industrial projects.
- Managed preventive and corrective maintenance tasks to maintain high equipment reliability and reduce breakdown frequency.
- Performed site inspections to verify compliance with QCS standards, approved drawings, and project specifications.
- Conducted load calculations, pump head calculations, duct sizing, and equipment selection for HVAC and plumbing systems.
- Supported the preparation of method statements, ITPs, risk assessments, and technical documentation.
- Coordinated with consultants and clients during inspections and ensured timely closure of NCRs and punch list items.
- Monitored contractor performance and ensured timely completion of work as per project schedule.
- Assisted in procurement by preparing material requisitions, reviewing vendor offers, and following up on deliveries.
- Oversaw fabrication and installation of ducting, piping, supports, and mechanical equipment in compliance with safety and quality standards.
- Verified installation of valves, pumps, AHUs, FCUs, chillers, pipe fittings, sprinkler systems, and drainage networks.
- Ensured proper testing procedures such as pressure testing, flushing, balancing, and equipment functional tests.
- Prepared BOQs, material take-offs, and maintained inventory and material consumption records.
- Participated in weekly client and contractor meetings, providing progress updates and resolving technical issues.
- Guided technicians and site teams by assigning tasks and providing technical direction where required.
- Ensured accurate as-built documentation and supported project handover activities.

EDUCATION

Master of Engineering (M.E.) – Industrial Safety Engineering Bharath Niketan Engineering College, India.	2024
Bachelor of Engineering (B.E.) – Mechanical Engineering Bharath Niketan Engineering College, India.	2020
Higher Secondary Certificate (HSC) Vetri Vikaas Boys Higher Secondary School, Keeranur, India.	2014
Secondary School Leaving Certificate (SSLC) Vidya Sikshaa MS, Bodikamanvasi, India.	2012