

VISHNU CHOORAKKATTUMYALIL SOMAN

MECHANICAL ENGINEER - Project Planning, Execution, Supervision & Quality Control

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SKILLS

- **Mechanical Engineering & Structural Design:** NDT Testing (RT, UT, MPT, PT), Quality Inspection.
- **Production & Supervision:** Shift Planning, Resource Allocation, Manpower Management & Adherence.
- **Inventory & Materials Management:** ERP, FIFO Compliance, Inventory Auditing, Issuance Control.
- **Quality Assurance & Compliance:** Process Safety Audits, ISO Standards, QA/QC Documentation.
- **Technical Tools:** AutoCAD, SolidWorks, SAP, C, C++, MS Excel (Advanced), Reporting & Tracking Tools.

Work Experience

Stock-Keeper

August 2022 – Present

Tenneco Automotive

Cambridge, ON

- Optimized material flow using FIFO inventory control, achieving 100% compliance and eliminating delays from stock shortages.
- Executed weekly cycle counts in SAP WM with 98.5% accuracy, reducing inventory variance, strengthening stock data reliability.
- Coordinated over 1,000 monthly material movements using ERP tracking, ensuring full lot traceability and stock integrity workflows.
- Streamlined receiving and issuing processes through layout optimization and barcode scanning, reducing material retrieval time by 20%.
- Implemented consistent inspection and damage prevention protocols, lowering defective stock incidents by 15% across three production lines.

Mechanical Engineer

October 2019 – March 2021

Kochi Refinery - S.K. Boilers Pvt. Ltd.

India

- Directed a 15-member maintenance team to execute planned shutdowns and corrective tasks, sustaining 98% equipment uptime and ensuring refinery operations.
- Developed daily work schedules and progress reports using Excel and ERP tools, improving production target alignment by 25%.
- Conducted 50+ safety audits and toolbox talks, enforcing HSE compliance protocols and achieving zero lost-time injuries over a 12-month operational period.
- Performed NDT, pneumatic, and hydraulic tests on rotating machinery and boilers, reducing unexpected breakdowns by 20%.
- Controlled material usage and labor attendance tracking, reducing wastage and overtime costs by 12%, improving operational cost efficiency metrics.

Mechanical Engineer

March 2019 – September 2019

Cochin Shipyard - VJ Jacob Pvt. Ltd.

India

- Supervised material fabrication and welding operations across four shipyard units, maintaining 95% adherence to project timelines and ensuring quality standards.
- Identified fabrication non-conformances and implemented corrective actions, reducing structural rework by 18% while improving inspection pass rates.
- Enforced shipyard safety protocols and PPE compliance, reducing safety incidents by 30% and improving workforce adherence to maritime HSE regulations.
- Coordinated with clients, engineers, and subcontractors, accelerating vessel component delivery by 10 days through scheduling and real-time progress tracking.
- Allocated labor, tools, and materials to six concurrent projects, achieving 100% task completion within approved budgets while maintaining operational efficiency.

EDUCATION

Post Graduate Diploma in Applied Energy Management

May 2020 - August 2021

Conestoga College, Kitchener, Ontario

Bachelor of Technology in Mechanical Engineering

July 2014 - May 2018

M.G University, Kerala, India

CERTIFICATIONS

- **NDT Level II (ASNT)** - RT, UT, MPT, PT
- **NACTET India Certifications** - Industrial Construction & Safety, Welding, Structural Engineering, QA/QC