

MOHAMED EBRAHIM

803-B, Queens Park House, Queens Road, Coventry-CV1 3GX | 07824062802 | m.y.brahim55@gmail.com |
www.linkedin.com/in/brahim96

Profile

Quality Assurance Engineer with 3.5 years of experience in different roles such as decision making, change requests and orders, customer complaint handling, and supplier audit with documentation. I also supported the development team in managing the quality of prototypes with design improvements.

Currently, I am doing my master's at Coventry University helped me to improve my professional skills with relevant modules and projects. I am good at working in a team and a quick learner, which helped me achieve the objectives of my previous job. I believe my learning and skills will support me for the applied role in your company.

Skills & Abilities

- **Instrument Knowledge**-Good experience and knowledge in handling measuring instruments such as Vernier caliper, Micrometer, Bore dial etc.
- **2D measurement**- Experience in handling 2D Height master (TRIMOS).
- **Team Handling**- Ability to lead the team and help them achieve daily production targets.
- **Quality Documentation**-Good knowledge of quality tools such as Statistical process control (SPC), Six Sigma, TPM, 8D, Corrective Action Preventive Action (CAPA) and Managed ISO quality documentation, material certificates, inspection reports, calibration of instruments, PDI inspections, maintaining pump certificate records and customer inspection.
- **Machining process planning**- good knowledge of machining processes as per product design and experience in VMC machines.
- **GD&T knowledge**- Excellent Knowledge of geometric dimensions and tolerances (GD&T) and work with component drawings.
- **Supplier Quality**-Experience in supplier site inspections, supplier audits, and CAPA reports.
- **Software Skills**- Good knowledge of working with Oracle software, PLM, solid works & CATIA software, Robot studio, and MS office tools.
- **Positive attitude**- Motivate the team with good decision-making skills.
- **Pressure management** - Ability to handle multiple tasks with organizational skills.
- **Development support** - Improvement plans to make better quality products.

Professional Experience

JUNIOR QUALITY ENGINEER | C.R.I PUMPS PRIVATE LIMITED, COIMBATORE | FEBRUARY 2018 - AUGUST 2021

- Led the quality team successfully for more than two years.
- Research and development of high-range industrial pumps up to 500 kW with materials such as Hi-chrome and bronze impellers.
- Maintained quality documents and reports as per ISO documentation procedure.
- Focusing on customer complaints with 8D documentation.
- Preparing documents and certificates as per customer requirements and work orders.
- Inspection at supplier place, auditing, and evaluation of suppliers.
- Planning of machining operations for pump parts to achieve GD&T parameters.
- Communication with suppliers and product owners to stay current on design changes and intended functionality.
- Regular CFT team meetings for decision-making and solving quality-related issues.
- Recorded defects and coordinated issue resolution with the development team and functional leads.
- Supported the team by planning fixtures and gauges for accurate and quick measurements.
- Performed visual inspections and non-destructive tests where required.
- Noted trends in product quality and functionality to determine problem areas and plan for improvements to processes.

Education

MSC PRODUCTION ENGINEERING AND OPERATIONS MANAGEMENT | COVENTRY UNIVERSITY | SEPT 2022-PRESENT | COVENTRY, UK

Key Modules-Management of Quality, Design Principles and Practice, Automation and Robotics, Global Lean and Agile Operations, Industry 4.0 and the Engineering Digital Environment, Future and Advanced Manufacturing Materials and Technologies.

PROJECT

Research towards the development of a performance improvement framework for Smart Industries

Development of a framework to assess and improve smart manufacturing performance by identifying key performance indicators and using Industry 4.0 tools in the process.

BACHELOR OF MECHANICAL ENGINEERING-ANNA UNIVERSITY (KGISL INSTITUTE OF TECHNOLOGY) | 2013-2017 | COIMBATORE, INDIA.

Key Modules-Engineering Mathematics, Manufacturing Technology, Metrology and Measurements, Design of Machine Elements, Dynamics of Machines, Kinematics of Machinery, Automobile Engineering, Total Quality Management.

PROJECTS

Side Stand Indicator-Duration-2 Months

An indication for the driver to retrieve the side stand by jamming the clutch with side stands using a cable.

Dust Collector Device-Duration-3 Months

A device to increase the production rate of brake line production by reducing the dust formation and cleaning time in C frame press machine at RANE BRAKE LINING LIMITED CHENNAI (OEM of Ashok Leyland, Bharat Benz, Daimler Benz, Honda, Nissan etc.)

Achievements

- Best performance of the year (Quality department) for the development of VT 500 & VT 1000- Vertical Turbine Pumps (10metre length pumps for Power generation in Dams)
- Audited and developed various suppliers and provided components without any quality issues for production.
- Provided ideas and successfully implemented fixtures and gauges for accurate and accessible measurements of various components during my work.
- Provided solutions for various design & drawing issues during the development stage and successfully achieved finished product with performance.

Additional Experience

KITCHEN CHEF | THE TOLLGATE STONEHOUSE PIZZA & CARVERY| MARCH 2022 – PRESENT

- Setting up the kitchen with cooking utensils and equipment, like knives, pans, and food scales.
- Studying each recipe and gathering all necessary ingredients.
- Cooking food in a timely manner.