



EJAJUL ISLAM AHMED

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Cal Comp Electronics PCL, Phetchaburi 76140, Thailand

PROFESSIONAL SUMMARY

A Master graduate with 6 years of total experience in the field of Quality Engineering and R&D. Currently working as a QA Engineer (Mechanical) for 3 years in the manufacturing of electronics products in an EMS industry as a solution oriented and seasoned professional with proven expertise in Planning & Execution of new projects and having a comprehensive understanding of the factory processes. Liaising with various departments within organization to gain support/resolving issues, analyzing the process and suggesting relevant changes in the guidelines to streamline process operations.

Also worked for 3 years as a Project Engineer (Mechanical) in R&D at CSIR-NEIST and possess hands on experience in designing and simulation using Mechanical design softwares like Solidworks, Catia, AutoCAD and simulation softwares like MSC Nastran, Ansys.

PROFESSIONAL EXPERIENCE

CAL-COMP ELECTRONICS PCL QA ENGINEER (MECHANICAL)

PHETCHABURI, THAILAND
AUGUST 2018 – PRESENT

- Hands-on experience in Performing Reliability Testing as per ISTA or customer specifications.
- While setting up individual and team goals also possess capability of managing and retaining of resources under the management limits and instructions.
- Delivered quality controls and enhancements to proactively address problems and improved product quality, manufacturing flow, customer satisfaction and bottom-line results.
- Test current products and identifying deficiencies and suggest solutions to identified product problems.
- Investigate product quality in order to make improvements to achieve better customer satisfaction.
- Plan, create and manage the overall Quality Planning strategy.
- Collaborate with the Product Development team to ensure consistent project execution
- Identify quality assurance process bottleneck and suggest actions for improvement.
- Prepare and present reports and metrics to Senior Management.
- Tested and inspected products for any malfunctions, reporting any serious issues to the supervisor.
- Coordinates with Sales, Purchasing, and Production department to resolve customer complaints and provide status updates on corrective actions taken.
- To provide support to team in product development.
- To follow up with customer and factory for improving quality and production.
- Align with customer and factory to support product build.

CSIR-NEIST PROJECT ENGINEER (MECHANICAL)

JORHAT, INDIA
SEP 2013 – MAY 2016

- Involved in product designing as well as developing technical drawings and plans, building prototypes for testing purposes and making mechanical improvements in projects.
- To prepare final design specifications in the form of 3D CAD models, 2D drawings.
- To release 3D and 2D data for tooling.
- To create Assembly drawings.
- Proficient in 3D CAD software tools like SolidWorks, Catia.
- Conducted static structural, steady state thermal analysis using MSC Nastran.
- Conducted static, linear, non-linear analysis using SOLIDWORKS.

Involved in following projects:

- Study of Solid Deposition Mechanism in Crude Carrying Pipe-Line in the North-East Region, failure analysis of existing Solid Depositing Strainer Devices for Facilitating Ease of Flow and Improving Strainer Durability, Processes for Recovery of Wax & Valuable Products, Pollution Control Measures for Gaseous and Solid Pollutants
- Post Disaster Management - Design & Development of Transitory Houses for Disaster Vulnerable Rural Sectors in the North Eastern Region
- Simulation of Packed Bed Heat Transfer in a VSK Process of Cement Manufacture using FEA Software MSC Nastran.
- Design and analysis of superstructure for rural sanitation solutions made of PVC and prototype development.

EDUCATION

Master of Engineering in Nanotechnology.
ASIAN INSTITUTE OF TECHNOLOGY • Pathumthani, Thailand • 2016-2018

Bachelor of Engineering in Mechanical Engineering.
ANNAMALAI UNIVERSITY, Tamil Nadu, India • 2008-2012

PROFESSIONAL TRAINING AND CERTIFICATES

Successfully completed following Trainings & Certificates in Oil India Ltd., Pipeline Headquarters

- Pipeline Maintenance
- Mechanical Maintenance
- Oil Movement
- Telecom
- Electrical & Cathodic

MACHINES HANDLED

- Programmable Temperature and Humidity Chamber
- Thermal Shock Chamber
- Vibration Machine
- Drop Test Machine
- Salt Spray Machine
- Shock Test Machine
- Halt Chamber
- Universal Testing Machine
- Bamboo Treatment Plant
- Rapid Prototype Machine

ACHIEVEMENTS

- Successfully changed the properties of engine oil (SAE20W50) by adding Carbon Nanoparticle into the oil during my academic life (Master Degree)
- Successfully completed Steady State heat transfer analysis of Packed Bed nodules by Forced Convection using FEA software MSC Nastran during my professional life

PERSONAL DETAILS

- Date of Birth: 23rd July 1988
- Present Address: Cal-Comp Electronics PCL, Khao Yoi, Phetchaburi, Thailand, 76140
- Permanent Address: Nayanpur, Ganeshguri, Guwahati, Assam, India, 781005
- Languages Known: English, Hindi, Bengali and Assamese.
- Passport No : K3922287