

NIKHIL BHADANE

nxb5114@mavs.uta.edu | 412 summit Ave Deans, TX 76013 | linkedin.com/in/nikhil-bhadane7 | 682-408-1543

EDUCATION

University of Texas at Arlington, Arlington, TX

Aug 2021 – May 2023

Master of Science in Industrial Engineering; GPA: 3.18/4

Sinhgad Technical Education Society, Pune, India

Aug 2016 – Nov 2020

Bachelor of Engineering in Mechanical Engineering; GPA: 3.7/4

TECHNICAL PROFICIENCY

Continuous Improvement: FMEA, DFMEA, PFMEA, VSM, 7 Wastes, Lean Manufacturing, Six Sigma, DMAIC, Kanban, Kaizen, Poke-Yoke, TPM, TQM, 7 Wastes, Supply Chain, SPC, ERP, MRP, RFQ, RFI, Supplier Negotiation.

Manufacturing: DFM, Ladder Diagram, CAD, Minitab, Ansys, PLC, PDCA, A3 methodologies, Root Cause Analysis

Computer Proficiency: Data Analysis Excel, Python, Minitab, MATLAB, Microsoft Office, AutoCAD, Tableau, Power BI

Certifications: Data Analysis with Python, Six Sigma, AutoCAD, LinkedIn - Microsoft Excel Advanced User

PROFESSIONAL EXPERIENCE

Continuous Improvement Intern, Mahindra Pvt. Ltd.

Jun 2021 - Jul 2021

- Analyzed production system using process mapping techniques such as value stream mapping, SIPOC diagrams to determine wastes, non-value adding processes to increase process efficiency by 35%, decreasing cycle time.
- Created Visual Basic schematic for 565 pieces, increasing manufacturing speed by 10%.
- Trained operators and leadership team for 5S methodologies using out of the box techniques to increase awareness on lean.

Logistics Intern, Honda Pvt. Ltd.

Sep 2020 - Feb 2021

- Collected records of the parts of automobile in the warehouse and handled new orders and shipments.
- Conducted a comprehensive analysis of automobile parts replacement data across all customers; developed predictive model for parts demand that reduced inventory replenishment time by 30%.
- Employed excel worksheet to manage, analyze data collected. Handled data for 50 clients and managed demand.

Quality Analyst, Mahajan Diesel Pvt. Ltd.

Jun 2019 - Aug 2019

- Perform basic to moderate inspections of devices, raw materials, parts, packaging, and other components per established drawings/specifications within Agile PLM Oracle module.
- Ability to interpret instructions, drawings/sketches and/or specification for inspections.
- Ensure inspected component meets pre-determined standards.

Quality Control Intern, Gupta Engineers

Oct 2019 – Dec 2019

- Created process flow chart to identify non-value-added procedures, which led to a 5% decrease in operating time.
 - Created work orders to structure the manufacturing process, planned their execution using the ERP system, and handled inventory and production master data.
 - Experience in project management and continual improvement with production, logistics, and operation.
-

ACADEMIC PROJECTS

Work Sampling to Increase Efficiency

- Performed work sampling on myself for 2 months to increase my efficiency by analyzing important tasks.
- Identified value added and non-value-added tasks.
- Made a repost and performed complete analysis like by creating confidence interval, pie charts, histograms.

Continuous Improvement for Warehouse inventory

- Designed the way and order in which inventory should be stored in the warehouse.
- Applied concepts of JIT, inventory management, FILO etc. to manage the supply chain of the products.
- Practiced pre-receiving, scheduling, cross docking, and work sampling to improve the logistics.

Design and Development Point Absorber Mechanism to Generate Electricity

- Design and development of point absorber, converts wave energy from the water bodies to electrical energy.
- Designed a Power Takeoff (PTO) mechanics and analyze its hydrodynamic performance.
- Experimentation and testing of the working prototype. Design, calculations, and analysis of the model to avoid further failure and test the extreme working limits.

Multi linear regression analysis using ANOVA.

- We established a correlation between the students' height, waist size, foot length, and weight. Weight is the dependent variable, while the independent variables are height, waist size, and foot length.
- Created ANOVA table with a list of all the variables. Using hypothesis testing, the confidence and prediction intervals were discovered. Predicted its normality and deviation from its variance.