

PB BARAL
Six Sigma GREEN BELT
Arvada, CO

E-mail: pb.baral21@gmail.com Ph: 720-503-6016

EDUCATION

Master of Science Degree: Engineering Technology Management

Minor: Quality Assurance

University of Wisconsin-Stout, Menomonie, Wisconsin, Dec 2012

Related Courses: Six Sigma, Total Quality Management, Quality Tools, Lean Enterprise, Project Management, Enterprise Resource Planning, Supply chain, Organizational Leadership, Decision Modeling, Strategic Planning and Deployment, Entrepreneurship and Leadership

Bachelor of Science Degree: Mechanical Engineering

Tribhuvan University, Institute of Engineering, Kathmandu, Nepal (Jan 2008)

Related Courses: Control and Instrumentation, Joining and Casting, Circuits and Devices, Material Removal and Forming Process, Polymer and Composite Processes, Lean Manufacturing Systems, Production and Operation Management, Renewable Energy (Solar Cells), Automobile Engineering, Manufacturing Process I & II, Solid Works, Quality Engineering, AutoCAD, Fluids Dynamics, Engineering Economy, CAM (Computer Aided Manufacturing)

EXPERIENCE

Manufacturing Engineer, CRENLO, Rochester, MN, Jan 2012 – Aug 2018

Engineering Technician Co-op, Jan 2011 - Dec 2011

Responsibilities:

- Implementation of customer focused process/product improvements.
- Utilize proven lean manufacturing based analytical and troubleshooting / problem-solving abilities to identify opportunities for cost reduction, lead-time reduction, inventory reduction and quality improvement while improving employee safety.
- Collect and analysis data to identify root cause of problem and then implement a solution.
- Key member on project development/implementation team for new products and process improvement on existing products as assigned. This includes the development of floor plan layouts, cost justifying new and/or used equipment, documentation and troubleshooting of new and existing processes, and responding to floor issues as required ensuring productive flow on the lines.
- Develop safe processes and monitor existing processes to ensure the safety of the production associates.
- Perform independent work to ensure that poka-yoke and 5 “S” techniques are employed during the product and process design phases and as a means to address quality issues.
- Conduct time and motion studies in order to improve process flow, reduce setup time, and overall productivity.
- Develop documentation for new and current product to include engineering drawings, specifications, SOP’s, ARI’s, quality checklists, TPM, BOMs, Routings, Estimates, etc.

- Operations and Programming of large (Accurpress, Pullmax, and Bystronic) as well as small (LVD, Cincinnati) press brakes.
- Laser and Turret (CNC) programming.
- Review customer requirements; perform general calculations and make layouts to assure accuracy and compliance to customer specifications.
- Consult with cross-functional team and customers to assure the design will meet specifications.
- Represent department and company during meetings with customers or suppliers.

SKILLS

- Ability to successfully interface with customers or suppliers.
- Ability to work in a team environment.
- Demonstrated analytical and problem solving skills.
- Ability to analyze needs and product requirements to create a design.
- Ability to perform Quality inspection using Statistical Process Control method.
- Ability to handle software development project management.
- Ability to conduct tests and inspections of products, services, and processes to evaluate quality or performance.
- Excellent ability to communicate effectively in writing as appropriate for the needs of the audience.
- Able to work with minimum supervision and complete projects on schedule.
- Understanding of logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

Solid Works, Auto CAD, FORTRAN, MINITAB, BAAN IV, PRO-E, 3DVIA
COMPOSER, PRODUCT VIEW, RADAN, BYSOFT, GAGETRAK
Microsoft Office Suite: Word, Excel, Visio, Project, Power Point and Publisher

PROFESSIONAL MEMBERSHIPS

Member- American Society for Quality (ASQ)
Member- Lean Enterprise Institute (LEI)
Member- Project Management Institute (PMI)

***REFERENCES PROVIDED ON REQUEST**