

Mary Seelam

MSME|PMP®|CSM®|PGPMP|OPEX Green Belt|

OPEX Black Belt trained| MBA Marketing 2025

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SUMMARY

- Result-oriented PMP Certified Engineer with 7 years of experience in project management, system engineering, and quality assurance.
- Proficient in utilizing Lean Six Sigma methodologies to drive process improvements and ensure product quality.
- Skilled in cross-functional team leadership, technical problem-solving, and translating customer requirements into actionable plans.
- Currently pursuing an MBA with a focus on Marketing to complement technical expertise with strategic business acumen.

COMPETENCIES INCLUDE

Lean Six Sigma
Project Management
PLM software – NX, Windchill
CAD software (Auto CAD, CATIA, NX
12, Pro Creo, Solid Works)

Problem-solving
Data Analysis
Process Improvement
System Engineering

EDUCATION

University of Massachusetts Amherst |Isenberg School of Management

Online MBA program with a focus in Marketing

Expected May 2025

UMass Amherst | Isenberg School of Management, Online

Post Graduate Program in Project Management

October 2020 – April 2022

Tennessee Technological University, Cookeville, TN, USA

Master of Science in Mechanical Engineering

August 2018

Osmania University, Hyderabad, India

Bachelor of Engineering in Mechanical Engineering

May 2014

RELATED EXPERIENCE

Project Leader/ Project Planner | Whirlpool Corporation, St. Joseph, MI

5/1/2024 – Present

- Proficiently managed cross-functional teams to successfully deliver new product development projects on both regional and global scales, overseeing projects from initial concept to final implementation and release.
- Took full ownership of project delivery results, effectively influencing cross-functional teams to ensure a seamless transition of projects to business owners.
- Demonstrated in-depth understanding and management of all processes and tools of WPD, establishing oneself as a key reference within the organization for product development systems.
- Responsible for comprehensive management of projects across all knowledge areas, including Project Integration, Scope, Time, Cost, Quality, Human Resources, Communications, Risk, Procurement, and Stakeholder Management.
- Led project teams through all phases, from Initiation to Planning, Control & Monitoring, Execution, and Closure.
- Proficiently gathered project requirements from stakeholders, managed tradeoffs to achieve project goals and utilized all tools and processes defined by WPD and PLO.
- Served as the primary point of contact for the project, conducting project meetings, integration events, status reports, and gate approvals at all organizational levels.
- Demonstrated adeptness in managing risks, and developing plans to avoid, mitigate, transfer, accept, or explore them in collaboration with the project team.
- Skillfully managed changes, guiding the team to request, analyze impact and probability, and make informed decisions on change.
- Proficiently registered, understood expectations, influenced, reported project performance, and effectively managed stakeholder requirements.

GPO Analyst Engineer | Whirlpool Corporation, St. Joseph, MI

2/21/2022 – 4/30/2024

- Led the strategic planning and design of multi-billion-dollar programs, overseeing their execution and monitoring progress to ensure alignment with organizational goals.
- Managed a diverse portfolio of projects, concurrently driving them to successful implementation using advanced project management tools and methodologies.
- Directed cross-functional project teams encompassing design, product approval, manufacturing, assembly, and interface teams, fostering collaboration and maximizing efficiency.
- Orchestrated the execution of complex projects across multiple organizations and stakeholders, ensuring seamless integration and timely delivery.

- Coordinated internal resources and third-party vendors, optimizing resource allocation and minimizing costs to achieve substantial savings exceeding \$1 billion.
- Ensured all projects were delivered on time, within scope, and budget, implementing robust monitoring and control mechanisms.
- Developed comprehensive backup and recovery plans to mitigate unforeseen setbacks, ensuring project continuity and resilience.
- Designed and implemented innovative metrics to measure project performance, enhancing decision-making and supporting future business initiatives.
- Proactively managed various forms of project risk, leveraging Six Sigma methodologies and best practices to mitigate risks and enhance project success.
- Led quality improvement initiatives, implementing process enhancements that resulted in a significant reduction in defects and warranty costs, contributing to overall cost savings.

Design Engineer | NHK Seating of America, Frankfort, IN

10/1/2020 – 02/18/2022

Product Design Engineer of First row seats for 2 SUV programs

- Utilized advanced CAD software to identify and implement product improvements based on OEM performance requirements, resulting in enhanced product quality and customer satisfaction.
- Collaborated with cross-functional project teams throughout all phases of the product development process, from concept to launch, ensuring alignment with project objectives and stakeholder expectations.
- Led the planning and execution of complex projects, utilizing Six Sigma methodologies and best practices to drive process improvements and achieve significant cost savings.
- Designed and conducted experiments to validate product performance, analyzed data, and documented results, informing decision-making and driving continuous improvement initiatives.
- Tracked project performance metrics to evaluate the successful completion of short and long-term goals, providing insights for strategic decision-making and resource allocation.
- Reported project status and escalated issues to management as needed, facilitating transparency and enabling timely decision-making to drive project outcomes.

Product Engineer I | NHK International Corporation, Novi, MI

1/7/ 2019 –9/30/2020

Product Design Engineer of First row seats for 4 SUV programs

- Led the design and modification of products to meet customer requirements while ensuring company profitability through strategic material and process selection, resulting in enhanced product performance and increased customer satisfaction.
- Served as the primary customer contact throughout all phases of the product program, fostering strong relationships and effectively managing customer expectations.
- Acted as an engineering liaison between manufacturing and customers, addressing issues, identifying opportunities for improvement, and facilitating timely resolution of technical challenges.
- Monitored and communicated project deliverables with various internal departments including sales, testing, CAD, analysis, and manufacturing, ensuring alignment and coordination across teams.
- Managed the on-time delivery of prototypes and production build parts, ensuring seamless integration into the manufacturing process and minimizing project delays.
- Worked closely with quality assurance teams to identify problem areas and implement product improvements based on customer defect and rejection concerns, resulting in reduced defects and improved product quality metrics.

Mechanical Engineer II | Manufacturing Sciences Corporation/Global Medical Isotope Systems, LLC, Oak Ridge, TN

04/12/2017 – 14/12/2018

- Orchestrated communication across departments to schedule and plan weekly company all-hands meetings, ensuring alignment with project objectives and the overall company mission, fostering team engagement and commitment to project success.
- Managed all phases of the design process for a diverse range of products, components, parts, assemblies, and subassemblies, employing advanced drafting, dimensioning, and tolerance techniques to meet strict quality standards and customer specifications.
- Recognized for strengths in defining, assessing, and satisfying complex product functional specifications and manufacturability concerns, ensuring products met or exceeded performance requirements and regulatory standards.
- Provided technical support to the Engineering Manager and Quality Manager on Quality Inspection Plans (QIP), collaborating to develop comprehensive quality control measures and ensure adherence to quality standards throughout the product development lifecycle.
- Leveraged cross-functional collaboration and stakeholder engagement to drive process improvements, streamline workflows, and optimize resource allocation, resulting in enhanced project efficiency and cost savings.

CERTIFICATIONS

Certified PMI-PMP
5S Concept Certified

Certified Kaizen Facilitator
Whirlpool OPEX Green Belt

Certified Scrum Master