

SOURABH TARODEKAR, MS, MBA, PMP

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EXECUTIVE SUMMARY

Technical Program Manager with 7+ years driving cross functional Programs, CapEx planning, capitalization, and NPI execution, and precision equipment readiness across high-volume manufacturing environments. Experienced aligning Engineering, supply chain operations, Finance, and Asia-based OEM/CM partners to deliver factory-ready equipment, reduce CapEx by \$800K+ through reuse and ROI trade-offs, and accelerate production ramps. Strong in budget governance, Cost saving modeling, forecast variance, and capitalization timing, supported by advanced analytics (Tableau, Excel, JMP) and disciplined risk management. PMP and Six Sigma Green Belt certified with proven success in EVT/DVT/PVT phase-gates, GR&R/Cpk qualification, and PPAP-driven supplier readiness.

CORE SKILLS

CapEx & Program Management	CapEx Portfolio Management · ROI/TCO Analysis · NPV & Variance Modeling · Budget Governance · Risk Mitigation · Build Readiness · PRQ Support
Manufacturing Operations	EVT/DVT/PVT Execution · Tool Installations · Equipment Qualification · Metrology & Calibration · UPH Optimization · Yield Improvement · DFM/DFT/DFR
Quality & Qualification	GR&R Studies · Cpk Analysis · SPC · FAI/PPAP · IQC · DOE · FMEA · Fixture & Jig Qualification · Reliability Testing
Supply Chain & Vendor Mgmt	CM/ODM Partnerships · Dual-Sourcing Strategies · Supplier Scorecards · RFP/Rfq · Contract Negotiation · OTIF Performance · Cost Modeling
Technical Tools	Jira · Confluence · SAP · Agile PLM · SQL · Python · Advanced Excel Modeling · Tableau · JMP · Minitab
Leadership	Cross-Functional Alignment · Executive Reporting · Escalation Management · Data-Driven Decision Making · Stakeholder Engagement

PROFESSIONAL EXPERIENCES

APPLIED MATERIALS INC.

Technical Program Manager – (Level E-III) Feb 2024 – Present

- Owned \$32M+ strategic CapEx portfolio, tracking budget vs spend, risk, budget requests /approval, asset capitalization timing and forecast variance; improved financial accuracy by 15% and reduced non-compliant spend by 27% through enhanced governance and milestone-based budget controls
- Delivered \$1.4M+ in total cost savings by identifying \$800K in equipment reuse opportunities and executing ROI/TCO analysis that drove \$600K+ cost avoidance across 20+ projects
- Quantified cost, schedule, and capitalization impact of late-stage equipment and process changes to support leadership trade-off decisions during NPI ramps.
- Partnered cross-functionally with Engineering (EE/ME/TE), Operations, Finance, Supply Chain, and Asia-based CM/ODM teams to align CapEx readiness, resolve customs bottlenecks, and strengthen supplier alignment
- Achieved 98% on-time installation readiness for 45+ critical tools across two lines, improving delivery accuracy from 82% → 96% and reducing install delays by 18%.
- Coordinated setup, installation, calibration, and qualification of 100+ manufacturing assets — including assembly fixtures, precision jigs, test stations, and metrology tools — ensuring factory-ready status per PRQ timelines
- Streamlined CapEx procurement (RFP, vendor scoring, TCO evaluation), reducing vendor lead-time variability by 20% and delivering 8% annual efficiency gain through data-driven supplier performance management
- Built real-time KPI dashboards in Tableau tracking equipment delivery, installation status, and budget variance, reducing decision latency by 30%, Delivered concise monthly and quarterly CapEx status readouts to leadership, highlighting risks, deltas, and mitigation plans.

Technical Program Manager – (Level E-II) Jun 2022 – Feb 2024

- Drove multi-module dielectric-deposition system integration across optics uniformity, sensor calibration, chamber robotics, and thermal systems — reducing cross-module integration issues by 35%.
- Delivered 14% cycle-time reduction and 10% improvement in process uniformity across critical subsystems using data-driven modeling, DOE analysis, and supplier process optimization.
- Managed NPI phase-gates (EVT/DVT/MP), ensuring fixture readiness, equipment qualification, and material availability aligned to launch timelines.
- Partnered with supply chain and engineering to implement dual-/multi-sourcing strategies for critical components (e.g., RF generators, vacuum sensors)—cut lead-time variability by 30%.

- Built automated workflows with Power Automate and SQL/MySQL to track tool delivery, install readiness, and approvals, cutting repetitive coordination work and accelerating decision cycles across Engineering, Ops, and Supply Chain.

FORD MOTORS LTD.

Engineering Project Manager – Systems & Components

Jun 2017 – Aug 2020

- Managed global supply programs for suspension and chassis systems—achieved 95% QCWF metrics, realized \$1.4m cost savings, and reduced system weight by 5%.
- Conducted end-to-end supplier planning, capacity modeling, and cost benchmarking to ensure smooth prototype-to-production transitions across multiple global platforms.
- Established component qualification scorecards and supplier audits, driving 100% compliance with launch readiness and PPAP standards.
- Implemented DFMEA and DVP&R governance frameworks for 25+ components—cut failure modes by 20% and improved reliability KPIs by 10%.
- Developed change-control and issue-resolution systems linking engineering, purchasing, and production teams—shortened escalation closure time by 20%.

JAHDAO GEARS PVT LTD.

Associate Project Engineer – Manufacturing Operations

Aug 2016 – May 2017

- Designed and implemented real-time production KPI dashboards tracking OEE, yield, and downtime—reduced report lag by 40% and improved daily decision visibility.
- Drove vendor sourcing and contract negotiations for raw materials and heat-treat processes, achieving 10% material cost reduction while maintaining full quality adherence.
- Built preventive maintenance logs and operator SOPs reducing unplanned downtime by 12%.
- Supported inventory planning and reorder systems, improving component availability and reducing stockouts by 18%.

EDUCATION & CERTIFICATIONS

- MS, Business Analytics – Hult International Business School, USA (2022)
- MBA, Operations Management – Hult International Business School, USA (2021)
- BS, Mechanical Engineering – University of Pune, India (2016)
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- PMP – Project Management Professional (PMI)
- Product Manager Certification (PMC)
- Agile Scrum Master (ASM)
- Six Sigma Green Belt