



## Summary

Impact-driven professional with 4+ years at Siemens, leading automation, digitalization, and capital projects. Proven leader and team player with a strong record in execution, cross-functional collaboration, and process improvement.

## Professional Experience

Executive Industrial Engineer | Siemens Ltd. | Mumbai

### Automation

- Led a 3-member team to implement a **semi-automated assembly line** for MV circuit breakers, **increasing output by 70%**, reducing WIP by 80%, and unlocking **₹60 Cr/year in revenue**.
- Automated a critical nut-setting process spanning 10 workstations by integrating an industrial **robotic** system, **reducing cycle time by 58%**, saving **₹37.5 lakh/year in labour**, and lowering customer complaints by 90%.

### Digitalization

- Designed and deployed a scalable digital **Production Management System** with QR-based tracking and real-time Andon alerts, **saving ₹42L/year** through improved traceability, error control, and supervisor efficiency.
- Leveraged PlantSim software to create a **Digital Twin** of the layout and **simulate manpower scenarios**; enabled data-driven decisions that improved line balancing and **boosted manpower utilization by 12%**.
- Ideated and managed the implementation of Siemens Industrial **Edge devices** across 4 production systems to collect and analyze 100+ machine/process parameters, **reducing downtime by ~7%** and improving process visibility.
- Developed QR-based traceability for **15+ critical parts** to eliminate **2-hour RCA delays**, improving **vendor accountability**, **CRM KPIs**, and enabling faster, more reliable root cause analysis and closure.
- Built and deployed **10+ PowerApps** to automate recurring **production and admin tasks**, eliminating manual processes and improving **data traceability**.

### CapEx Management & Strategic Planning

- Managed the **₹8–10 Cr annual CapEx budget**, overseeing allocation across automation, infrastructure, and capacity projects, and tracking utilization to ensure adherence to financial goals and timelines.

### Cross-Functional Leadership

- **Chaired a 9-member cross-functional Productivity Committee** to identify and resolve factory-wide productivity challenges through collaborative action plans and stakeholder ownership.
- **Planned and executed** an 8-week **Lean training for 25 members**. Later applied concepts like 5S, takt time, and VSM on shopfloor to improve flow and reduce waste.
- **Coordinated and presented best practice contributions** across **6+ departments** at Siemens' BPS forum quarterly and led internal adoption of global initiatives.

### Data Analysis

- Conducted **monthly Shopfloor Productivity Analysis** of daily production, idle time, and rework data from group heads to **identify performance gaps and flagged trends to management** for efficiency improvements and incentive decisions.

### Process Improvement

- Designed and implemented **reusable packaging** with stackable bins to **reduce transport damage by 90%** and **save ₹6L/year in rework** and packaging material, while improving handling efficiency and vendor-side traceability.
- Introduced a **pneumatic manipulator** that reduced a product assembly step **time by 67%**, **saving ₹16L/year**, horizontally deployed this solution across 5+ product lines.
- Built a **semi-automated HV product testing setup**, reducing test time from 10 to 7 mins and operator **exposure by 50%**; commended and **recognized** as a safety best practice by **BU Head**.
- Served as a **member of the 15-member Siemens' Safety Committee** to implement process safety improvements through audits and feedback, to uphold Siemens' Zero Harm Culture policy.

### Core Industrial Engineering

- Led a 6-member team to **design and maintain 100+ bespoke fixtures**, cutting assembly time, improving ergonomics, and **reducing unplanned downtime by 20%**.
- **Reduced standard assembly times by 15%** through detailed MOST/time studies and union negotiation, improving line balance, reducing operator idle time, and enhancing overall throughput efficiency.
- **Ensured 100% availability of critical factory utilities and tools**, avoiding downtime, by managing end-to-end procurement and coordinating with local and international vendors to secure timely, cost-effective supply.

## Education

**B. Tech. (Mechanical Engineering)** – *Sardar Patel College of Engineering* | *Mumbai*

## Accomplishments and Awards

- Awarded the **Special Star Award** at Siemens for leading the MV breaker line revamp, including layout redesign, vendor coordination, and PlantSim simulation; project boosted capacity by 70% and earned a **₹35,000 leadership award**.
- Completed **3 Half Marathons**, improving personal best in each race; **clocked 2h 24m** at Mumbai Marathon 2024.
- Secured **1st place** in inter-department **Tug of War** competition at SPCE.

## License & Certifications

- Lean Basics – Siemens Ltd.
- Introduction to Artificial Intelligence (AI) – IBM
- Introduction to Marketing - Wharton School of Business
- Introduction to Financial Accounting - Wharton School of Business
- Introduction to Operations Management - Wharton School of Business
- Introduction to Corporate Finance - Wharton School of Business
- Managing Social and Human Capital - Wharton School of Business

## Co/Extra-curricular

- **Founded** and led SPCE's first-ever **MUN** conference; **managed 15-member team**, 100+ delegates, sponsorships, and hospitality for multiple editions.
- Represented SPCE at **Formula Bharat 2018** in Business Plan competition; **built and pitched a business plan** covering layout, supply chain, finance, and breakeven.
- **Elected as Technical Secretary** of SPCE; led 25-member team as Tech Fest Chairperson; organized **15+ technical events**, handled sponsorships, logistics, and inter-college coordination.
- Served as **Secretary and PDD** at Rotaract Club of Thane Skyline; **led COVID relief efforts**, donation drives, and career workshops; awarded **Best Director** for professional development initiatives.