SWANAND SHIRISH WABLE

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EDUCATION:

Northeastern University   **Boston, USA**
Master of Science in Industrial Engineering, **GPA: 3.4**   **December 2020**
Relevant Courses: Deterministic Operation Research, Probability & Statistics, Supply Chain Engineering, Lean Concept & Applications, Logistics, Warehousing, and Scheduling, Statistical Quality Control, Product Development

University of Pune   **Pune, India**
Master of Engineering in Mechanical Design Engineering, **GPA: 4.0**   **May 2017**

University of Mumbai   **Mumbai, India**
Bachelor of Engineering in Mechanical Engineering, **GPA: 3.5**   **May 2015**

SKILLS:

Software: AutoCAD, Catia R5, ERP, Maximo, Arena, Minitab, MS Office, JMP, Metrology (OGP imaging system, Instron, Keyence system, Flex Bar)
Certification: Diploma in CAD Design, Six Sigma Lean Green Belt, 5S, Kaizen Facilitator, Total Productive Maintenance

PROVEN EXPERTISE:

- Lean Manufacturing/JIT
- Six Sigma/PDCA/Poka-Yoke
- Good Manufacturing Practice (GMP)
- Root Cause Analysis (RCA)
- Cost Control/Scrap Reduction
- Product Development
- Continuous Improvement (CI)
- Assembly and Production
- Material Management

WORK EXPERIENCE:

Insulet Corporation, Acton, Massachusetts   **January 2020 – August 2020**
Manufacturing Engineering Co-Op

- Performed Test Method Validations (**TMV**) and Engineering Trial Run (**ETR**) from report writing to execution on Manufacturing Cells
- Executed Operational Qualifications (**OQ**) from report writing to execution and supported Performance Qualifications (**PQ**) and calibration of tools
- Implemented PDCA cycle for Continuous Improvement Projects with the help of **Kanban, Poke-Yoke, Fish Bone diagram**
- Improved the Overall Equipment Effectiveness (**OEE**) by approx. 3-4% by identifying the major causes of downtime and generating the Pareto Chart
- Prepared and stored protocols and reports in PLM software **ARENA** and maintained work record on **Maximo** to ease the process
- Used **OGP imaging system, Instron, Keyence system, Flex Bar** to measure dimensions and force of components of Omnipod
- Improved line efficiencies using Design of Experiments, Gap Analysis and Pareto Analysis on entirely Automated Robotic Machines for Eros

Adsun Offshore Diving Contractors Private Limited, Mumbai, India   **May 2017 – March 2018**
Project & Procurement Engineer

- Implemented distribution and logistics strategies, supervised inventory management, order fulfilment, and quality management; ensured on-time delivery of 90% orders, reduced delivery costs by 30%
- Maintained inventory records for various projects, updating stock record on a weekly basis; identified requirement to refill inventory in warehouse, preventing delay in product delivery by 40% using **Lean Six Sigma** approach
- Conducted freight rate analysis, identifying areas for lower rate negotiations with vendors and reducing freight overheads by 15%; assessed inbound and outbound freight, calculating surcharge collection from customers
- Designed and executed responsive systems to maintain timely and effective procurement of goods, liaising with Project Managers; fulfilled objectives of **supply chain management**, identifying constraints within supplier process

Schreiber Dynamix Dairy Limited, Baramati, India   **February 2017 – May 2017**
Maintenance Trainee Intern

- Pioneered in the maintenance of pumps, bactofuge, separators, gearbox and preheat exchangers, analyzed the procedures for inspection of machines and implementation of **5S tool** in day to day activity to improve overall work efficiency by approximately 10%
- Drove adoption across an organization and achieved over 20% improvement in production efficiency; designed risk management strategy and framework to manage operational risk exposure using **Continuous Improvement** approach
- Explored knowledge safety service's practice, **ERP** System for maintenance and storage

Graphix Technologies, Pune, India   **June 2015 – July 2016**
CAD Engineer

- Revised process to assure that **CAD** systems met customer requirements
- Inspected designs of different systems to meet targets of performance, cost, safety, quality and feasibility
- Learned and accomplished **UGNX & PTC CREO 2.0** software for design projects

PROJECTS:

Applications of Lean Concepts in Hotel Industry *(Northeastern University)*   **January 2019 – April 2019**

- Analyzed the data & working concept of Hotel Industry using **DMAIC** model **& SIPOC** chart.
- Mapped the priority of lean techniques using **Pareto Chart** which can directly impact the quality.

Design & Manufacturing of Solar Panel Cleaning System *(University of Pune)*   **May 2016 – November 2017**

- Developed 2D and 3D models using **AutoCAD** for cleaning of solar panels, delivering model with 20% cost savings
- Ensured corrective maintenance strategies to reduce maintenance cost annually by 2%
- Presented technical specification requirements, leading to 50% increase in adoption rate; collaborated with 5 seniors in BERSON Company to make a model for effective cleaning of panels