

Vidur Varshan Manoharan

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Website: [Vidur Varshan Manoharan Personal Profile](#)

PERSONAL PROFILE:

Highly motivated and enthusiastic Master's in Engineering Management (MEM) graduate, equipped with a robust background in Mechanical Engineering. Proficient in leveraging advanced industrial tools and methodologies to drive innovative solutions and optimize processes. Demonstrated ability to tackle complex challenges with strategic thinking and meticulous attention to detail. Eager to embark on a challenging career that harnesses my engineering expertise to deliver impactful solutions in a dynamic environment.

SKILLS:

Industry Knowledge : ➤ Microsoft office Suite ➤ Lean Principle ➤ QFD, FTA & Gantt Chart

Industrial Tools : ➤ SolidWorks ➤ AutoCAD ➤ Fusion360

Interpersonal Skills : ➤ Team Collaboration ➤ Leadership ➤ Resilience

EDUCATION:

2022 – 2024 **University of Leicester, Leicester.** **(Graduated on Jan 18, 2024)**
Masters in Engineering Management **(Merit)**
Modules: Systems Engineering, Lean Engineering, Cost Engineering, Engineering Business Management and International Business.

2017 – 2021 **Anna University, KPR Institute of Engineering and Technology, India.**
Bachelors in Mechanical Engineering **(First Class)**
Modules: Computer Aided machine drawing, Process Planning and Cost Estimation, Additive Manufacturing, Manufacturing Technology and Fiber Reinforcement Plastics.

EXPERIENCE:

November 2022 – Present **Royal Mail Midlands Super Hub, Daventry.** **(Temporary Full Time Worker)**

- Employed as a warehouse operative, sorting parcels according to products postcode and fabrication and assembling York roll containers.
- Trained in handling Velo Blade machine to cut polymer sleeves and proficient in operating electric pedestrian pallet trucks, handling drilling machines, robotic process automation, standard operating procedures, and Manufacturing operations.

2021 – 2022 **KPM Fab, India.** **(Operations Supervisor)**

- Supervised end-to-end textile production operation, overseeing team of 4 employees, and ensured seamless workflow from raw material procurement to finished product delivery.
- Executed service and maintenance on Sulzer PU TW11 weaving machine, ensuring optimal functionality, minimizing equipment downtime, data entry and production analysis.

December 2018 – December 2018 **South India Motors, India.** **(Internship)**

- Acquired comprehensive experience and expertise with 1-month hands-on-training on automotive diagnostics, preventive maintenance procedures, and customer services.
- Collaborated seamlessly with skilled technicians and mechanic team, assisted in servicing approximately 6 to 8 vehicles per day, contributing to timely completion.

PROJECTS:

August 2023 An Investigation of Change Management Strategies used by Electric Vehicle manufacturers in China and India. (Master's dissertation)

- Investigated and compared EV manufacturers in China and India with change management theory models.

Insights:

- Identified that China is aiming to reach 77 percent EV usage by 2040, and India had planned to achieve 30 percent EV adaption by 2030.
- Discovered that India imports approximately 70 percent of its raw material for EV manufacturing are imported from China and few other countries.
- Discovered various new change management strategies like 7+4 full market strategy, green manufacturing, 360-degree manufacturing, and transforming IC vehicle to EV.

December 2022 Requirement Specification for Water Distribution Network and design for Firefighting in a Large Ship (Master's Course Work).

- Led a team in identifying comprehensive system requirements and implementing solution to addressing failures in the system.

Insights:

- Conducted rigorous evaluation on design using Fault Tree Analysis and Quality Function Deployment model, resulting 22.2% improvement in system failure prediction accuracy.
- Developed a detailed architecture network, tailored to meet customer requirements with successfully optimized water distribution and reduction in water wastage.
- Designed detailed Gantt chart to visualize project timelines, milestones, and communication.

2019 – 2021 Camellia Sinensis/Ananas Comosus Fiber Based Corrugated Panel for Sound Damping. (Bachelor's degree Final year Project)

- Designed and fabricated a natural fiber based corrugated shaped acoustic panel for high frequency applications.

Insights:

- Fabricated the panel with Industrial Tea leaf waste (camellia sinensis 25wt%), Pineapple fibre (ananas comosus 5wt%) and E-Glass fibre 10wt% bonded with epoxy resin 60wt% in a sinusoidal corrugated sandwich panel.
- Observed Noise Reduction Co-efficient of corrugated sandwich panel is 0.64.

CERTIFICATION:

August 2024 JPMorgan Chase & Co.'s Excel Skills on Forage.

- Acquired proficient command of Excel functionalities and data analysis techniques, Visual Basic for Applications (VBA) and manipulation, and conditional formatting techniques.
- Gained expertise in data visualization and storytelling using Excel and PowerPoint by creating impactful charts and interactive dashboards.

February 2023 Seer for Hardware, Electronics and Systems.

- Completed the Seer for Hardware Core workshop course conducted by Galorath, with expertise in cost estimation, planning, and analysing methodologies.
- Utilized Seer for Hardware tool in masters course work to analyse cost for manufacturing EV'S.

Current Progress:

- Currently holding a provisional driving license and cleared driving theory test. I'm diligently preparing to take practical driving test on November 2025.
- Self-taught learning in additive manufacturing with 3D printer, including material selection, and design optimization.