




HARSHANA MADHUSHAN

 Selangor, Malaysia |  +60 132437262 |  harshan.mhn@gmail.com

ENGINEER

A qualified engineer with over 2 years of experience in planning and implementing projects using the Agile and Waterfall methodologies. Acknowledged by the senior management for optimizing costs and implementing various process improvement initiatives across the professional career. Seeking challenging assignments with a reputed organization to utilize acquired skills in accomplishing organizational and individual growth objectives

CORE SKILLS	EXECUTIVE SUMMARY
Project Scheduling <div><div></div></div>	<ul style="list-style-type: none">• Skilled in planning and implementing project schedules, developing prototypes of the projects.• Adept at working on IDEO, Agile Scrum, and Waterfall methodologies across the assigned projects.• Proficient in working on project budgets, using SCP principles, and preparing forecasts.• Well-versed in C++ Programming, Python Programming, Project Management (Asana), Kanban Board, MYSQL, MS Office (Word, Excel, Powerpoint), Tableau.• Track record of success in planning and implementing projects based on the project delivery scheduled and other SLA parameters.• Knowledgeable in managing the manufacturing process of the devices based on the organizational policies and procedures.• Adroit in implementing automation projects leading to optimized costs and enhancing project profitability.• Possess excellent communication skills and an analytical mindset to cater to business and operational exigencies.
Prototype Development <div><div></div></div>	
Agile/Scrum & Waterfall Methodologies <div><div></div></div>	
Project Budgeting <div><div></div></div>	
SCP Principles <div><div></div></div>	
Project Management <div><div></div></div>	
SLA Compliance <div><div></div></div>	
Strategy Planning <div><div></div></div>	
Liaison & Coordination <div><div></div></div>	
Team Leadership <div><div></div></div>	

PROFESSIONAL EXPERIENCE

Top Glove Corporation Berhad, Meru, Klang
Head of Division of Process Improvement
R&D Engineer

Sep 2020 – Mar 2022
Apr 2019 – Aug 2020

Achievements:

- Optimized costs by RM 657,000 and realized cost-saving and brought RM 1.5 million potential costs saving to date.
- Completed 5 automation projects for non-glove or glove production area, 5 process improvements or troubleshooting with non-glove and glove factories.
- Accomplished individual cost saving of RM 10,000. Realized cost saving of RM50,000.
- Filed 1 intellectual property (patent/trademark/industrial design) and reduced glove defect by 13.5%.

Responsibilities:

As Head of Division

- Coordinate activities across 13+ factories aimed at enhancing the production line (enabled 70% of the factories to improve the production rate and quality).
- Generate awareness on the usage of project management tools such as Kanban Chart, Asana, Kano Model leading to seamless project implementation. Implement troubleshooting initiatives for the bottom-performing factories.
- Partner with the engineers and developers to create product designs and with marketing teams to develop sales plans for future products.
- Highlight critical technical issues and other operational bottlenecks to the senior management and other stakeholders for implementing effective remedial measures.

As Engineer – Automation R&D

- Developed and implemented strategies related to optimizing the cost of RM 75,000. Reduced glove defect by 13.5% by implementing improvement initiatives.
- Prepared and presented various status reports for the senior management and other stakeholders to enable effective decision-making.

OTHER ASSIGNMENTS

YouthCare Malaysia Director of Fitness & General Health Training Academy	Jun 2021 - Present
myImpact Malaysia Director of Registration & Data Analyse Department	Oct 2021 - Present

EDUCATION

• Micro MBA , BAC University	July 2021
• Bachelor (Honours) Chemical Engineering (Process Engineering) , Universiti Teknologi Petronas	Dec 2018
• Foundation in Science , Universiti Teknologi Petronas	Dec 2014
• SPM , Royal Military College	Dec 2013

TRAINING & CERTIFICATIONS

- Project Management Professional, Project Management Institute, Pursuing
- Data Science & Analytics Certificate, Veritas University
- Train The Trainer, Top Glove Academy
- Nanotechnology: A Maker's Course (Thin Film Deposition, Patterning, Etching)
- Project Management Workshop
- Design Thinking Workshop

PATENTS

- System and Method for Detection of Defective Former, Patent ID: P1 202100583
- Water Jet System, Patent ID: PI 2019006075

SPEAKING ASSIGNMENTS

- Chemical Industry 4.0 Summit: Guest Speaker - Co-botting with Automation: Raising efficiencies in precise procedures and repetitive tasks with robot-human collaboration
- Manufacturing IT Summit - South East Asia: Guest Speaker: Panel Discussion: Cloud Computing - Essential to The Future of Manufacturing Industry
- Moderator: Panel Discussion: Promoting Automation to Achieve New Level of Productivity & Operational Excellence
- Keynote Speaker - Top Glove International
- Guest Speaker - iCheme University Teknologi Petronas

PERSONAL DETAILS

Date of Birth: 03 Apr 1996 ~ **Nationality:** Malaysian ~ **Languages Known:** English, Sinhalese, and Bahasa Malaysia
Address: Bukit Jelutong, 40150 Shah Alam,. Selangor, Malaysia