



Noor Azlina Mohd. Salleh
(Associate Professor. Ir.Dr.)

Deputy Director,
Smart Manufacturing Research Institute (SMRI)
Office of Deputy Vice Chancellor (Research & Innovation)
School of Mechanical Engineering
College of Engineering
Universiti Teknologi MARA Malaysia



+60195592390 / +60355442978



noorazlinamohdsalleh @ uitm.edu.my

noorazlinamohdsalleh @ gmail.com

azlina_ salleh @ yahoo.com

RESEARCH INTEREST

Smart Lean Manufacturing, Lean and Quality Operation Management, Process and Productivity Improvement, Augmented Reality, Digital Lean Karakuri, Design and Simulations, Quality, Environmental and Green Management System, , World Class Manufacturing and End-of-Life Vehicles.

EDUCATION

PhD in Mechanical Engineering, Universiti Teknologi MARA Malaysia, 2014.

Bachelor in Mechatronics Engineering, International Islamic University Malaysia,2003.

PROFESSIONAL AFFILIATION

- Professional Engineer - Board of Engineers Malaysia (P120358)
- Member - Institution of Engineers Malaysia (103579)
- Life-Time Member - Society of Engineering Education Malaysia (P0281)
- Life-Time Member - Persatuan Alumni Agensi Kerjasama Antarabangsa Jepun Malaysia (MyJICA) (SH2017-0001)
- Life-Time Member - National Science, Technology, Engineering and Mathematics (STEM) Association (NSA0029)
- Life-Time Member - Malaysia Tribology Society (L0616)

CERTIFICATION

- Certified Trainer HRDF Malaysia PSMB Train The Trainer (TTT) Programme , Ministry of Human Resources (Cert. No.8589)
- Certified Trainer NCS-004:2017, Department of Skills Development (DSD) (Cert. No.20515)
- ISO 9000:2000 Series Auditor/Lead Auditor Robere & Associates Thailand Ltd (Cert.No.MS-PN-0206-P013)
- EMS-ISO14001:2004 Auditor/Lead Auditor Robere & Associates Thailand Ltd (Cert.No.MS-SG-0206-P013)
- ISO17025 Management System Internal Auditor (Cert.No. TPACO-06- 6318)

WORKING EXPERIENCE

Deputy Director, Smart Manufacturing Research Institute (SMRI), UiTM
March 2020 - Present

Senior Lecturer, School of Mechanical Engineering UiTM
18 June 2014 - Present

Ranking Champion, School of Mechanical Engineering UiTM
2019 - 2021

Coordinator, Industrial, Community, Alumni Networking (ICAN), Faculty of Mechanical Engineering UiTM, 2016 - March 2020

International Liaison Officer, Faculty of Mechanical Engineering UiTM
2016 - March 2020

Fellow/ Coordinator, Center for Strategic Planning and Information Faculty of Mechanical Engineering UiTM, 2016 - 2018

Editor, Journal of Mechanical Engineering, UiTM, 2016 - 2017.

Lecturer, Faculty of Mechanical Engineering, UiTM Pulau Pinang
1 October 2008 - 1 October 2009

QC Section Head, Hicom- Honda Manufacturing Sdn. Bhd
1 October 2005 - 1 October 2008

Design Engineer, Research and Development Department, PROTON Berhad
1 September 2005 - 1 June 2003

Industrial Trainee, Industrial Robotics & Automation Centre, Sirim Berhad
April 2002 - July 2002

UNIVERSITY ADMINISTRATION

Year	Position
2019 - 2023	Leader, MARii-UiTM Satellite Node UiTM (MoA dan MoU)
2020 - 2023	Leader, Metal Forming Research Corporation Korea (LoA)
2020 - 2023	Leader, Gyeongsang National University Korea (MoU)
2020 - 2023	Leader, Pyrocell Plastics (MoA)
2020 - 2023	Assistant Leader, Mechano Transformer Japan (MoA)
2019 - 2021	Ranking Champion, Faculty of Mechanical Engineering
2020 - 2018	Committee, "Hari Anugerah Kualiti Dekan Dan Hari Apresiasi Staf"
2019 - Present	Member, Research Interest Group: Advanced Manufacturing Technology
2019 - 2020	Committee, Endowment Fund Project
2016 - 2020	Committee, Industrial Linkages, Research, Publication and Consultancy.
2019 - 2020	Committee, Manufacturing Design and Innovation Section Smart Manufacturing Research Institute (SMRI UiTM)
2019 - 2020	Committee, MARii-UiTM Mechatronics and Robotics Lab.
2019 - 2020	Leader, MARii-UiTM End of Life Vehicles and Remanufacturing Lab.
2019 - 2020	Leader, MARii-UiTM Big Data Dan IoT
2019 - 2020	Academic Advisor, Faculty of Mechanical Engineering, UiTM
2016 - 2020	Deputy Quality Manager, Lab Accreditation SAMM /ISO/ IEC 17025 Faculty of Mechanical Engineering
2019 - 2017	Lead Invigilator Final Exam
2018	Deputy Coordinator Vice- Chancellor Quality Award Team, Faculty of Mechanical Engineering, UiTM, 2018.
2018 - 2016	Committee, Malaysia Research Assessment (Myra), Faculty of Mechanical Engineering, UiTM.
2017 - 2018	Committee, Publication of Faculty of Mechanical Engineering.
2017-2018	Committee, Finance and Coordinator of Internship Students Placement Faculty of Mechanical Engineering.
2017	Adhoc Accreditation Taskforce for Self-Assessment Report Program EM220
2017	Task Force Operational Excellence (OE) Team (Vice-Chancellor Award) Faculty of Mechanical Engineering, UiTM Shah Alam
2016 - 2017	Committee for Faculty of Mechanical Engineering UiTM Academic Mission
2015 - 2017	Committee Outcome Base Education (OBE) Faculty of Mechanical Engineering UiTM
2016	Leader for Strategic Planning and Innovation Vice-Chancellor Quality Award Faculty of Mechanical Engineering.
2016	Committee, High Impact Journal Writing Workshop
2016	Leader For Academia & Industry and Innovation Vice-Chancellor Quality Award Faculty of Mechanical Engineering.
2015	Chairman, Speech Committee of Innovation 2015, Faculty of Mechanical Engineering UiTM
2015	Vice- Chairman, Higher Education Week UiTM, Ministry of Higher Education Malaysia
2015	Chairman, Dean's Mandate Program, Faculty of Mechanical Engineering UiTM
2015	Chairman, Speech Committee Research Innovation Symposium & Exposition 2015 (Rise2015), Faculty of Mechanical Engineering UiTM

2015	Committee, University-Graduate Employability Engagement Taskforce (UGET), Faculty of Mechanical Engineering UiTM.
2015	Committee, Quality Self-Assessment Team, Faculty of Mechanical Engineering UiTM.
2015	Committee, Invention, Innovation and Design (IID), Faculty of Mechanical Engineering UiTM.
2015	Committee of German Fraunhofer University Faculty of Mechanical Engineering UiTM.
2015	Committee Of Benchmarking Program to UNITEN Faculty of Mechanical Engineering UiTM.
2015	Committee Of Students' Election Faculty of Mechanical Engineering UiTM.

CONFERENCE AND WORKSHOP

Chairman 2 and Reviewer , Sciences and Business Management Graduate Conference 2021 (SBC2021), College of Logistics and Supply Chain, Suan Sunandha Rajabhat University Thailand, 2021 and 2022
Keynote Speaker , IR 4.0 Workshop -2022 (WIR4.0-2022), Faculty of Forestry and Environment, Universiti Putra Malaysia in collaboration with Universiti Teknologi MARA (UiTM) and Malaysian Timber Industry Board (MTIB).
Judge , 2nd International Research Invention, Innovation and Exhibition (I-Rie 2022).
Speaker , Fog On The Edge, Lean Productivity IR4.0 Grant. Can It Help Your Organization?, Malaysia Productivity Corporation,2022.
Evaluator , Massive Open Online Courses (MOOC) MEM799 Industrial Project II, UiTM, 2021
Evaluator , Massive Open Online Courses (MOOC) MEM702 Project Marketing & Consumer Management, UiTM, 2021
Deputy Director , World Congress of Science, Engineering and Technology 2021 (WCOSSET 2021)
Vice-Chairman , International Joint Conference Advanced Manufacturing System 2021.
Vice-Chairman , 6th International Conference on Advances in Mechanical Engineering (ICAME2019)
Vice-Chairman , Symposium Smart Manufacturing Research Dialogue Workshop 2019
Coordinator , Malaysia Robotics Showcase 2019
Vice- Chairman , 1st International Joint Conference on Advanced Manufacturing Technology & Simulation (IJCAMTS2018)
Presenter , Conference of Heads of Academic Departments CHAD 2017
Unit Head, Sponsorship and Promotion 5 th International Conference on Advances in Mechanical Engineering (ICAME 2017)
Participant , Workshop: Best Practices on Practical Solutions/Programmes to Integrate SME Suppliers into the Automotive Global Value Chains (GVCs) ASIA-PACIFIC ECONOMIC COOPERATION (APEC) 2017
Secretary , 4 th International Conference on Advances in Mechanical Engineering (ICAME2015)
Facilitator : Workshop Demand-Driven Innovation Project by Public-Private Research Network (PPRN) 2017
Participant , Workshop on National Roadmap of Remanufacturing Ministry Of International Trade and Industry, 2016.
Participant , Konvensyen Usahanita Binaan (KUBINA), 2016
Participant , National Academic Colloquium: Globalizing Learning Through Massive Open Online Course (MOOC) Workshop
Facilitator , Workshop Demand-Driven Innovation Project by Public-Private Research Network (PPRN), 2016.
Participant , Kolokium Akademik Kebangsaan 2016
Participant , 9th International Roundtable on Automotive Recycling 2016 (IRT 2016)
Participant , Talent Accelerated Leadership Excellent Series (TALES) (Shaping The Academic Landscape)
Participant , Masterclass Workshop on Massive Open Online Course (MOOC) 2016
Participant , 2016 e-Content Development Workshop For MOOC

Facilitator , Workshop Resume Clinic 2016.
Participant , Small and Medium Industries Exhibition (SMIDEX' 16)
Participant , International Conference on Advances in Mechanical Engineering Precision Engineering Research Group UKM 2015
Participant , TVET Program in CDIO - Workshop on Advancing, Innovating and Sustaining CDIO Temasek Foundation Singapore Polytechnic 2015

INTERNATIONAL RESEARCH SCHOLAR ATTACHMENT

- Productivity Specialist Program, Asia Productivity Organization, 2022.
- Research Fellow, Economic Partnership Program (EPP) - LEP 2.0 End Life Vehicle Scholarship with Japan International Cooperation Agency and Public Service Department Malaysia, International, 2017.
- German Academic Exchange Service Grant: Future technology: additive manufacturing (DAAD reference 57459939), 2019.
- Sponsorship RM3 Million Worth of AFDEX Software from Metal Forming Research Corporation Korea, 2020.

INNOVATION AWARD

- 1st Place Winner in The Cluster Machinery and Equipment, Selangor Research, Development and Innovation Expo 2021 for SAHABAT P.A.I.R (Personal Assiatance Intelligent Robot) - Leader
- Best Innovation Award and A Silver Medal (Prevention Category) in The Malaysia Technology Expo (MTE 2020) Special Edition's COVID-19 International Innovation Awards for All-in-One Pandemic Prevention Solution: Modular and Open System Temperature Recording, Attendance Registration with Auto Mist Shoes/ Foot Sanitizer, Health Tower Signal, Face Mask and Mask Extender Holder and Advertising Board - Leader.
- Gold Medal in Invention, Innovation and Design IID 2019 for Integrated Mangosteen Split Machine.
- Bronze Medal in Let's Recycle Project in Invention, Innovation and Design (IID 2016) - Member.
- Bronze Medal for Project E- Customer Complaints Handling System in Research, Innovation, Symposium and Exposition (RISE2015) - Leader.
- Bronze Award for Sound Absorption of Aluminium Foam with Functionally Graded Structure in Research, Innovation, Symposium and Exposition (RISE2015) - Member.

SERVICE, TEACHING & LEARNING AWARD

- Anugerah Fellow Tetap Cemerlang Smart Manufacturing Research Institute (2022)
- Anugerah SUFO Cemerlang Kolej Kejuruteraan UiTM (2022)
- Anugerah Perkhidmatan Cemerlang (2021)
- Gold Award (Leader) in The Virtual International e-Content Development Competition 2021 (ECONDEV 2021) for MOOC entitled Industrial Management
- Gold Award (Member) in The Product Pitching (Educator Category: Third Place) in The Virtual International e-Content Development Competition 2021 (ECONDEV 2021)
- Best Paper Award - 2021 International Conference on Technology and Quality Management of Tertiary Education
- Anugerah Penerimaan Geran Penyelidikan Industri Fakulti Kejuruteraan Mekanikal UiTM (2020)
- Anugerah Kolaborasi Antarabangsa Fakulti Kejuruteraan Mekanikal UiTM(2020)
- Anugerah Penerbitan Berkolaborasi Industri Fakulti Kejuruteraan Mekanikal UiTM (2020)
- Anugerah Projek Penyelidikan Terbaik Fakulti Kejuruteraan Mekanikal UiTM (2020)
- Anugerah Kecemerlangan Jaringan Industri Dan Pengantarabangsaan Fakulti Kejuruteraan Mekanikal UiTM (2019)
- Anugerah Perkhidmatan Cemerlang (2016)
- Anugerah Booth Pameran Universiti UCTC Tercantik & Berimformatif Kementerian Pendidikan Tinggi Malaysia (2015)
- Anugerah Kualiti Naib Canselor Johan Fakulti Terbaik UiTM (2014)
- Anugerah Kualiti Naib Canselor Perancangan Strategik Fakulti (2014)

COPYRIGHTS

Project	Copyright No.	Year Granted
Modular and Open System COVID19 Prevention Solution	CRY00025687	2020
Green Lean TQM Islamic Information System	CRLY00023758	2020
Peripheral Arm Board Design (NabilNA) For Angiography Procedure	CRLY00024494	2020
Machine Sludge Removal Aid	CRLY00023757	2020
Integrated Mangosteen Split Machine	CRLY00020653	2019
Functionally Graded Aluminium Foam (FGAF) as New Type of Metal Foam for Sound Insulation Application	CRLY00007232	2017
Design and Development of Computerized Customer Complaint Handling System (CCHS) at an Automotive Company in Malaysia	CRLY00007406	2017
Process Flow of Human Resource Management in an Automotive Company	CRLY00007405	2017
Development of Comprehensive Monozukuri Machine for Spreading Fabric at DK Leather Seats Sdn Bhd	CRLY00007233	2017
Design and Development of Computerized Process Failure Mode and Effect	CRLY0000716	2017
Design and Development of Preventive Maintenance of Mechanical Asset in Building Maintenance System	CRLY00007031	2017

TEACHING RESPONSIBILITIES

List of courses taught

MEM673 (World Class Manufacturing)

March 2020 - Present

March 2016 - July 2016

Topics covered include on the various successful World-Class Japanese manufacturing techniques such as TQC, Kaizen, QCCs, Kanban and JIT-Zero Inventory. The famous Toyota Production System will be highlighted and be the core reference in explaining the theory behind World-Class Manufacturing concept.

MEM564 (Manufacturing Processes Lab)

2019 - March 2020

The purpose of this course is to provide technology students with the broad spectrum of manufacturing processes. It introduces the learner to how each process works and its relative advantages and limitations, as well as the interaction the material and the process. Major emphasis is on the fundamentals of various aspects of processes employed in the production of metallic, polymeric and ceramic components in order to produce quality products in a competitive manner.

MEM575 (Industrial Management)*June 2014 - March 2020*

Topics covered include functions and concepts for operation management, plant location, plant layout, procurement and inventory control, production planning and control, quality management and control, human resources and job design, maintenance management and other aspects such as forecasting, project management and lean production.

MEM562 (Computer Integrated Manufacturing)*June 2014- January 2015*

The purpose of this study is CIM is to study the integration of the total manufacturing enterprise through the use of integrated systems and data communications coupled with new managerial philosophies that improve organizational and personnel efficiency.

MEM603 (Occupational Safety and Health)*Sept 2015 - Jan 2016, 2018*

This course covers the fundamentals of occupational safety and health in the working environment. These include the implementation and regulation of Occupational Safety and Health Act (OSHA) in Malaysia. The course also covers the identification of occupational health and industrial hazards. The types of hazards included in this course are industrial hazard, mechanical hazard, chemical hazard, physical hazard and psycho-social hazard. Besides that, the course also emphasizes on accident causation, investigation and analysis. Occupational Safety and health management system will also be covered.

MEM460/MEM160 (Engineering Workshop Practice).*Sept 2015 - Jan 2016*

The course covers lectures on basic understanding and `hands on? experiences on workshop related activities. The lectures are on the overall pictures of workshop practice, machines, materials and safety aspects. The `hands on? experience covers the various basic workshop crafts, forming and metal cutting processes and fabrication methods such as hand tools, sheet metal working, lathe work, milling work, foundry and welding activities.

KJP355 (Production Management)*Oct 2008 - May 2009*

This course comprises topics that encompass a wide spectrum of industrial management topics, ranging from fundamental management functions to

techniques on planning and controlling processes that exist in a typical production environment

MEC131 (Technical Drawing)

Oct 2008 - May 2009

This course provides a fundamental background of engineering drawing to the UiTM undergraduate students, which will enable them to work more effectively in the various fields of engineering. It will emphasize on the introduction to engineering drawing, fundamentals of engineering drawing, geometry, orthographic and isometric drawings.

TEACHING & LEARNING INNOVATION

Year	Project	Position
2022	MOOC Industrial Revolution	Leader
2022	Silver Award in The International Teaching Aid Virtual Competition (iTAC2022) for Learning Karakuri System Through Augmented Reality	Member
2022	Silver Award Augmented Reality for TVET at The Virtual International e-Content Development Competition Institute of Continuing Education and Professional Studies (ICEPS)2022	Member
2022	Bronze Award in Hub for Innovative Teaching & Learning (HiTeL) Innovation Competition for Augmented Reality of Karakuri 2022.	Member
2021	Gold Award in The Virtual International e-Content Development Competition 2021 (ECONDEV 2021) for MOOC entitled Industrial Management.	Leader
2021	Gold Award (Member) in The Product Pitching (Educator Category: Third Place) in The Virtual International e-Content Development Competition 2021 (ECONDEV 2021)	Member
2019 - 2021	MARii-UiTM Satellite Node Shah Alam: Industrial Teaching Factory, Research and Commercialization Hub.	Director
2020 - 2021	MOOC World Class Manufacturing	Leader
2017 - 2020	MOOC Industrial Management	Leader
2019 - 2020	MARii - UiTM Reskilling Programme	Deputy Director
2018 -2020	International Students Development Under OIA - Internship at Korea, Japan Exchange Program, China Exchange Program and Germany Exchange Program National Institute of Technology Ube College Japan, Reutlingen University, German, Paderborn University Germany, Hochschule Hannover - University of Applied Sciences and Arts, Inbound Student From UTHM	Co-ordinator
2019	MARii UiTM Industry Professional Led Certification Industry4WRD	Member
2019	MARii Feiran UiTM Catia Design V5 Augmented Reality	Deputy Director
2016	5S Untuk Bengkel Fkm	Leader

2016	Penasihat Bersama Pasukan UiTM Eco Planet, Shell Eco Marathon Asia 2016 Fakulti Kejuruteraan Mekanikal, UiTM Shah Alam	Advisor
2015	Program Suspended Meals FKM Penyayang	Member
2015 - 2016	New Straits Time Newspaper Donation	In- Charge

RESEARCH

FRGS AND RAGS

Year	Project	Sponsor	Amount	Level of Involvement
2014-2018	New Social Risk Management Manufacturing System Framework Model	MOHE (FRGS)	RM 102,000	Principal Researcher
2015-2017	Functionally Graded Aluminium Foam with Space Holder Replication	MOHE (RAGS)	RM 80,000	Principal Researcher
2011-2014	New Framework Model for Integrated Manufacturing System	MOHE (FRGS)	RM120,000	PhD Student

PUBLIC- PRIVATE RESEARCH FUND (PPRN) WITH INDUSTRIES

Year	Project	Sponsor	Amount	Level of Involvement
2017-2018	Mangosteen Peeling Machine	MOHE	RM 31,500	Co- Researcher
2017-2018	Bread Production- Dough Cutter Divider & Proofing Chamber	MOHE	RM 48,000	Co- Researcher
2014 - 2015	Development of Induction Heating System Incorporated with Brass Ring	MOHE	RM50,000	Co-Researcher

COLLABORATION WITH INDUSTRIES

Year	Project	Sponsor	Amount	Level of Involvement
2023- 2021	Strategic Research Partnership Grant: Digital Lean Part Supply	Pyrocell Plastics Sdn.Bhd	RM50,000	Principal Researcher
2023- 2021	Strategic Research Partnership Grant: Warehouse Management System Development	Pyrocell Sdn.Bhd	RM50,000	Co-Researcher
2023- 2021	International Strategic Research Partnership Grant: IoT Ready Firmware Development for Piezoelectric Actuator	Mechano Transformer Corporation (Japan)	RM10,000	Co-Researcher
2022 - 2020	Strategic Research Partnership Grant: IR4.0 Lean Karakuri Assembly Line Teaching & Learning Physical Model for UiTM Smart Manufacturing Research Institute Lab	Malaysia Automotive, Robotics and IoT Institute and UiTM	RM100,000	Principal Researcher
2022 - 2020	Strategic Research Partnership Grant: Metal Additive Manufacturing with Generative Design and Numerical Simulation.	Malaysia Automotive, Robotics and IoT Institute and UiTM	RM55,000	Co-Researcher
2022 - 2020	Strategic Research Partnership Grant A Predictive Model Using 2D-CNNs Techniques for Modular and Open System Professional Version (MOST-Pro) to Perform COVID19 Systems Detection.	Malaysia Automotive, Robotics and IoT Institute and UiTM	RM50,000	Co-Researcher
2018 - 2017	Malaysia Driving Cycle	Malaysia Automotive, Robotics and IoT Institute	RM8,400	Principal Researcher

UiTM GRANT

Year	Project	Sponsor	Amount	Level of Involvement
2023- 2021	Strategic Research Partnership Grant: Development The Software and Hardware for Lean Warehouse Management System	Pyrocell Sdn.Bhd	RM20,000	Principal Researcher
2023- 2021	International Strategic Research Partnership Grant: Evaluation of The Firmware Performance in Real-Life Application with Mechano Transformer Corporation (Japan)	UiTM	RM10,000	Principal Researcher
2023- 2021	Assessing Ai-Based Education for Stem Implementation in Malaysian Primary School.	UiTM	RM10,000	Co-Researcher
2018-2019	Design and Development of Angiography Board	UiTM	RM25,000	Principal Researcher
2017-2018	New Framework Model of Integrated Islamic Quality Manufacturing System for Food Industry	UiTM	RM25,000	Principal Researcher
2017-2018	Soft Lean Management and Its Perceived Benefits Among Managers in Malaysia Automotive Small and Medium Enterprises	UiTM	RM10,000	Co- Researcher

CONSULTANCY & EXPERTISE

Impact and Simulations of Recycled Crates, Lembaga Pemasaran Pertanian Persekutuan (FAMA), 2023 – 2022

Consultation on Strengthening Behavioural Insights (Bi) Approach in Progeny of Sejahtera Productivity Culture Index- Malaysia, 2022

Consultation on SME Surveys of COVID-19 Impact in Asian Countries with Asian Development Bank Institute (ADBI), Asia Productivity Organization (APO) and Malaysia Productivity Corporation (MPC), 2022

Kajian Dasar Halatuju Program Kejuruteraan di Universiti – university Malaysia dalam Mendepani Era Revolusi Industri 4.0, Majlis Dekan- Dekan Kejuruteraan Malaysia dan Jabatan Pendidikan Tinggi, Kementerian Pengajian Tinggi Malaysia, 2022

Speaker for Malaysia Productivity Corporation Webinar “Fog on The Edge, Lean Productivity IR4.0. Can It Help Your Organization, 2022

Consultation on Digital Lean IR4.0 Program at KYM Industries Sdn. Bhd, 2022 – 2021

Company Case Study on Continuous Improvement and Digital Transformation for Textile Company Report for Malaysia Productivity Corporation, 2021

Skim Peningkatan Produktiviti Enterprise (SPPE) Program Malaysia Productivity Corporation – 3D Gens Sdn. Bhd, Shah Alam, 2020-2021

Skim Peningkatan Produktiviti Enterprise (SPPE) Program Malaysia Productivity Corporation – Sumber Petroleum Cemerlang Sdn. Bhd, Kapar, 2020-2021

Skim Peningkatan Produktiviti Enterprise (SPPE) Program Malaysia Productivity Corporation – 3D Pebble 3D Sdn. Bhd, Petaling Jaya, 2020-2021

Penulisan Impak Dan Amalan Terbaik Program Pembangunan Kapasiti Vendor (PPKV) 'Business Towards Industry 4.0' Di Bawah Kementerian Pembangunan Usahawan & Koperasi 2020 (Mei - Jun 2021)

Moderator 9th Regional Conference in Engineering Education and Research in Higher Education (RCEE & RHEd 2021)

Moderator Teknikal dan Digitalisasi Ke Arah Smart Manufacturing, Malaysia Produktivity Corporation, 2021

Malaysia Driving Cycle Program, Malaysia Automotive, Robotics and IoT Institute, Expert Panel, 2019 – 2020

Kajian Dasar Pendidikan Negara, Ministry of Education Malaysia, Expert Panel, 2018 – 2019

Development Of National Occupational Skill Standard (NOSS) for Automotive After Sales Servicing Level 4 & 5, Expert Panel, 2016

Public Private Research Network (PPRN), Ministry of Higher Education Malaysia, Malaysian Academy of SME & Entrepreneurship Development UiTM, Panel, 2016

SUPERVISION

Postgraduate (Research)	Research Topic
Mohd Hazri Bin Mohd Rusli, Graduated PhD, 2019, Co-Supervisor	Integration Of Lean-Green Manufacturing with Supplier Kaizen Projects for Production Process Optimization
Nur Asiah Binti Kuzaiman, Graduated Master, 2018, Main Supervisor	New Framework Model of Integrated Islamic Quality
Argustina Binti Zainuddin, Graduated Master, 2018, Main Supervisor	Design And Development of Integrated Manufacturing System TQM, LM, EMS and Energy in Malaysian Automotive Companies
Nabill Bin Hidzir Pauzi, Graduated Master, 2018, Main Supervisor	Design And Development of Angiography Arm Board
Muhammad Farhan Bin Mohd Suhaimi, Master, Main Supervisor	Development Of Kuala Lumpur Driving Cycle for Light-Duty Passenger Vehicle for Estimation Fuel Consumption and Vehicular Emission
Nurismahani Ngadiman, PhD, Main Supervisor	Application of Augmented Reality in Automotive Manufacturing Quality
Rasidah Binti Abu, Master, Main Supervisor	Design & development of LEAN problem-solving cultures in Malaysian automotive companies
Ahmad Naqib Akmal Bin Abdul Manan, Master, Main Supervisor	Inventory System for Smart Karakuri Assembly Line
Muhammad Danial bin Mohd Zian, Master, Main Supervisor	A Case Study on the Improvement of Workshop Layout against Turnaround Time for Oilfield Downhole Tool servicing at Time Marine Services Sendirian Berhad workshop

Postgraduate (Master in Engineering Management)	Research Topic
Siti Nur Atifah Binti Ab Aziz, Graduated, 2019, UiTM	Production Flow Improvements in Physical Testing Line Through Implementation of Lean Manufacturing in Textile Industry
Abdul Malik Mohamed, Graduated, Open University Malaysia, 2017, Main Supervisor	A Study of Heat Treatment as An Alternative Method in Infestation Control for Cigarette Beetle in Tobacco Manufacturing Machineries
Sharmizi Bin Shoid, Graduated, Open University Malaysia, 2017, Main Supervisor	Implementing Lean Manufacturing System In Manufacturing Of Ceiling Fan- A Case Study
Shahril Bin Othman, Graduated, Open University Malaysia, 2017, Main Supervisor	Improve Receiving and Delivering Process in Tobacco Company by Implementing Lean Management - Case Study
Azam Nurshahriman Zakaria, Graduated, 2017, UiTM,	Process Improvements During Aircraft Maintenance at a Maintenance, Repair and Overhaul (MRO)

Main Supervisor	Organisation in Malaysia Through Implementation of Lean 5s System
Anas Hakimi Bin Kori, UiTM, Main Supervisor	Improvement In Production Planning For Progressive Stamping In A Metal Stamping Company
Siti Fatimah Binti Ahmad, UiTM, Main Supervisor	A Transportation Cost Optimization Model Based on Milk Run Logistic System
Nur Atiqah bt Alias, UiTM, Main Supervisor	The Study of OCR Technology in The Digitalization of Procurement Processes
Nurul Aisyah Binti Mohd Zin, UiTM, Main Supervisor	Continuous Improvement in Data Reporting Quality at Operation Control Centre Using DMAIC Approach
Mohamad Adry Bin Harun, UiTM, Main Supervisor	The Readiness of CIAST Trainers in The Implementation of E-Learning Programme
Ema Norelyna Rosli, UiTM, Main Supervisor	Optimization of The Setup of The Sewing Line for The Stadium Seating Product

INDUSTRIAL ORIENTED FINAL YEAR PROJECTS, DEGREE IN MECHANICAL ENGINEERING

Year	Name of Student	FYP Title	Company/ Organization
2014/2015	Hanisah Awang	Improving Time Management Service for Malaysia Airlines System: Case Study	Sultan Mahmud International Airport.
2014/2015	Luqman Hadi Azahar	Kanban Kitting System.	Proton Holdings Berhad
2014/2015	Norleena Mohd Noorlan	Case Study on Line Balancing at Engine Transmission Line	Proton Holdings Berhad
2014/2015	Engku Fatin Hazirah Engku Mohd Suhaimi	Design and Development of Computerized PFMEA with EAI.	UMW Toyota
2014/2015	Hadriyudin Baharudin	Design and Development of Preventive Maintenance of Mechanical Asset in Building Management System.	Widad Builders
2014/2015	Nasyitah Adnan	Design and Development of Computerized Kanban.	UMW Toyota
2014/2015	Nur Amalina Muhamad Alim.	Design and Development of Computerized Customer Handling System	UMW Toyota
2015/2016	Nurfaezah Mohd Hassim	Case Study: One Piece Flow at The Installation Line for Custom Made Car Seat Company.	DK Leather Seats Sdn. Bhd
202015/2016	Qistina Adith Khairul Fauzi	Case Study on The Improvement of Productivity on A Sewing Line at An Automotive Industry.	DK Leather Seats Sdn. Bhd
2015/2016	Asyraf Azizi Mohd Safri	Development of Comprehensive Monozukuri	DK Leather Seats Sdn. Bhd

		Machine of Spreading Fabric	
2015/2016	Muhammad Azri Mustakim	Study on Optimization of Streamlined Process Flow in a Production System	DK Leather Seats Sdn. Bhd
2015/2016	Owais Qarni Qusham	Design and Development of Computerized Process Flow of Human Resource Management in An Automotive Company.	DK Leather Seats Sdn Bhd
2015/2016	Luqman Ahmad	Study and Development of In-House Supply Chain Management within Upholstery Production System	DK Leather Seats Sdn Bhd
2015/2016	Muhammad Adi Asyraf Azrai	Leather Yield Improvement in DK Leather Seat Sdn. Bhd.	DK Leather Seats Sdn Bhd
2015/2016	Abdul Hakim Amir Zulkepli	Implementation of Takt Production on Reducing Waste with LPS.	Suria Component Sdn Bhd
2015/2016	Mohamad Aideed Mohamad Razali	Implementation of Work- In-Progress (WIP) and Time Reduction with Lean Production System	Suria Component Sdn Bhd
2015/2016	Kamarul Arifin Suhaimi	A Study on Design and Development of E-Quality Control System for Manufacturing Factory in Malaysia	Setsu Precision Technology Sdn Bhd
2015/2016	Khairul Ikhwan Khairul Salleh	Investigation of Instrument Cluster Assembly Line in Malaysia Automotive Industry	Continental Automotive Components Sdn Bhd
2015/2016	Mohammad Syafiq Rosli	Design and Fabrication of Plaque by Hot Pressing and Using Waste Plastic Material.	Faculty of Mechanical Engineering UiTM
2015/2016	Muhammad Syakir Abdul Rahim	Production and Market Study of FKM Product: Keris Envelope Opener	Faculty of Mechanical Engineering UiTM
2016/2017	Muhammad Syahmi Shahar	Design and analysis of carbide sludge removal machine for production line	HPMT Industries Sdn. Bhd.
2016/2017	Muhammad Farhan Mohd Suhaimi	A case study on the improvement on productivity of Quality Control Line	HPMT Industries Sdn. Bhd.
2016/2017	Muhammad Amirul Mohd Johan	Programming of motorized walking assistance	Faculty of Medicine UiTM.
2016/2017	Muhammad Ruzaini Hashim	Design and develop motorized walking assistance	Faculty of Medicine UiTM
2016/2017	Mohamad Firdaus Abas	Design and Develop Angiography Hand Rest	Faculty of Medicine UiTM
2016/2017	Mohamad Ariff Asyrah Rashid	Design and Development of Angiogram Transfer Bed	Faculty of Medicine UiTM

2017/2018	Muhammad Fareez Sanim	Visual Management System in ED Painting Line	OSI Sdn. Bhd.
2017/2018	Syaza Subhi	Visual Management System in OSI Sdn. Bhd. Logistic.	OSI Sdn. Bhd.
2017/2018	Amirah Nabilah Binti Azman	Rigid Plastic Finite Element Analysis of Forging Process and Its Application Using AFDEX Software	Metal Forming Research Corporation Korea/ GNU Korea
2017/2018	Nur Afifah Binti Noor Azaman	Simulation of Cold Heading Process in AFDEX and Its Application to Process Design of Connecting Sleeve, Admission Valve and Steel Roller	Metal Forming Research Corporation Korea/GNU Korea
2017/2018	Abdul Salam Bin Mohd Sharfuddin	Enhancement of Manpower Efficiency at Machining Assembly Line	Hicom Diecasting Sdn Bhd
2017/2018	Nurul Arina Binti Sulaiman	Study on Aluminium Silicon (AlSi) for Gravity Diecasting to Produce Engine Cylinder Head	Hicom Diecasting Sdn Bhd
2017/2018	Muhammad Zaki Bin Zabri	Introduction of Visual Management and Kaizen Practice At Secondary Process/Fettling Process	Hicom Diecasting Sdn Bhd
2017/2018	Muhammad Haakim Bin Baharin	Just In Time Maintenance System	Hicom Diecasting Sdn Bhd
2017/2018	Muhammad Afiq Bin Nor Azman	Process Improvement and Stabilization at Machining Assembly Line 2	Hicom Diecasting Sdn Bhd
2017/2018	Theadious Anak Ajang	Development of A Condition-Based Maintenance Regime for LRT Stations.	Prasarana Malaysia Berhad
2017/2018	Shahril Ahmad Adzrin Bin Shahril Anwar	Design and Development Mangosteen Peeling Machine	Furley Bioextracts Sdn Bhd
2017/2018	Noorfadzli Bin Mohamad Nawawi	Automation of Rambutan Cutting System	Furley Bioextracts Sdn Bhd
2018/2019	Nur Atiqah Suhaimi	Design and Development of Lean Lab Management System	Faculty of Mechanical Engineering UiTM
2018/2019	Muhammad Amirul Solihin Azha	Application using An Intelligent Metal Forming Simulator AFDEX with MFRC Korea	Metal Forming Research Corporation Korea/ Gyeongsang National University Korea
2018/2019	Nur Shahrom Shahiran	IoT Based Real Time Machining Parts Data Production Output at Machining Line Hicom Die Casting.	Hicom-Die Casting Sdn.Bhd

2018/2019	Muhammad Adli Zaid	Forming Load Analysis of An Actual Industrial Bevel Gear and A Simulated Bevel Gear Using AFDEX Software with MFRC Korea	Metal Forming Research Corporation Korea/ GNU Korea
2018/2019	Hidayatul Fairuz Jamalludin	Optimization Of 'UiTM Di Hatiku' Logo by Injection Metal Casting	Faculty of Mechanical Engineering UiTM
2018/2019	Muhamad Firdaus Bin Ma'zin	Design of Karakuri Trolley at Suria Component Sdn Berhad Manufacturing Line	Suria Component Sdn Berhad
2018/2019	Zita Michael	Development of an Ergonomic Working Table Rack for Car Pedal Assembly with Karakuri Kaizen Concept At Suria Component Sdn Bhd	Suria Component Sdn Berhad
2018/2019	Muhammad Fahim Akmal Bin Abdul Halim	Design A Rack with Karakuri System To Improve An Ergonomic of Worker at Suria Component Sdn.Bhd	Suria Component Sdn Berhad
2019/2020	Muhamad Bin Hazman Mohamad	IoT Press Machine for MARii Satelite UiTM Smart Assembly Line	Malaysia Automotive Robotics IoT Institute
2019/2020	Mohamad Fahmi Bin Shafie	Karakuri Assembly, QC and Delivery Trolley Line for MARii Satelite UiTM	Malaysia Automotive Robotics IoT Institute
2019/2020	Muhammad Fikri Bin Semawi	Reduce Waste Through Lean Implementation at Pipe Oil Pickup Process At Leanding Platform Sdn.Bhd	Leading Platform Sdn. Bhd
2019/2020	Luqmanul Hakim Bin Abdul Karim	Base and Child Release System for Karakuri At MARii Satelite Uitm	Malaysia Automotive Robotics IoT Institute
2019/2020	Nurul AqilahBinti Razali	Finite Element Analysis on Pipe Bending Process By Using Afdex Software With MFRC Korea	Metal Forming Research Corporation Korea/ Gyeongsang National University Korea
2019/2020	Nadiah Quistina Johari	Metal Forming Analysis with MFRC Korea Company Degree/Diploma/Professional Project	Metal Forming Research Corporation Korea/ Gyeongsang National University Korea
2019/2020	Muhammad Nazrin Bin Abdul Razak	Smart Classroom Management for MARii UiTM Satelite Lab	Malaysia Automotive Robotics IoT Institute
2019/2020	Ahmad Naqib	Inventory Karakuri	Malaysia Automotive

	Akmal Bin Abdul Manan	Management System in MARii UiTM Satellite Node Degree/Diploma/Professional	Robotics IoT Institute
2019/2020	Daniel Mirza Bin Tohari	Development Of Hydroelectric Model for Domestic Use	Smart Manufacturing Research Institute UiTM
2019/2020	Mohamad Zulfhatihi Bin Ab Razak	Line Balancing by Using Time Study Method to Attain A Balanced And Flexible Production Line - A Case Study	Hicom-Die Casting Sdn.Bhd
2019/2021	Tengku Ammar Yasier Bin Tengku Azam	Artificial Intelligent Visual Inspection for Oil and Gas	Tenaga Nasional Berhad
2019/2020	Mohammad Daniel Bin Shahar	Application Of Big Data in Engineering Talents Database	Malaysia Automotive Robotics IoT Institute
2019/2020	Mohamad Zharif Rahizi Bin Ramli	Development of Internet of Things Planting System for Broccoli	Malaysia Automotive Robotics IoT Institute
2019/2020	Azizul Azhim Bin Samsudin	Application Of Big Data in Vendor Management System	Malaysia Automotive Robotics IoT Institute
2020/2021	Ahmad Zarif Syahmi Bin Zambri	PV System for Smart Reban Ayam	Bitgap Technologies Sdn. Bhd.
2020/2021	Ahmad Haziq Muizzuddin Bin Mustafuddin	IoT In Smart Farm	Bitgap Technologies Sdn. Bhd.
2020/2021	Faez Luqman Bin Mohamad	Automatic Free-Range Chicken Movement Control for Smart Farming Using IoT	Bitgap Technologies Sdn. Bhd.
2020/2021	Zulhajaj Bin Zarulis S	Augmented Reality Application in Engineering Exhibition	Malaysia Automotive Robotics IoT Institute
2020/2021	Megat Iskandar Shah Bin Megat Shahrul	Gamification And Learning Lean Manufacturing	Malaysia Automotive Robotics IoT Institute
2020/2021	Nurul Shuhadah Binti Jasri	Product Analysis from Roll Forming Process Using AFDEX Software	Metal Forming Research Corporation Korea/ Gyeongsang National University Korea
2020/2021	Raja Amirul Bin Raja Anuar	Roll Forming Process Analysis and Simulation Using AFDEX Software	Metal Forming Research Corporation Korea/ Gyeongsang National University Korea
2020/2021	Mohammad Harris Bin Mohammad Nasir	Design And Fabricate Digital Operations Reporting System	Metal Forming Research

		Simulation Assembly Line	Corporation Korea/ Gyeongsang National University Korea
2020/2021	Ahmad Muaz Sidqi Jamlus	Design of Chassis for Electric Motorcycle	Faculty of Electrical Engineering
2020/2021	Muhamad Zul Talhah Tambikha	Augmented Reality Karakuri SOP	Malaysia Automotive Robotics IoT Institute
2020/2021	Muhammad Aiman Bin Abdul Rasid	Touchless Vending Machine	Malaysia Automotive Robotics IoT Institute
2021/2022	Adibah Athirah Binti Baharim	Design of adjustable computer learning table suitable for pandemic environment	Malaysia Automotive Robotics IoT Institute
2021/2022	Ras Atiqah Bt Abd Rashid	Design and simulation of part release system for manufacturing line	Malaysia Automotive Robotics IoT Institute
2021/2022	Mohammad Akram Zaem Bin Ali	Augmented reality for karakuri components and parts	Malaysia Automotive Robotics IoT Institute
2021/2022	Mohamad Nurhilmi Bin Mohamed Den	Augmented Reality for Maintenance Process	Malaysia Automotive Robotics IoT Institute
2021/2022	Mohamad Ridhwan bin Mohamad Yunos	Design of Oil Transport for Transfer of Oil Samples from Ground Floor to Level 3 Floor at Company in Kapar Klang	Sumber Petroleum Cemerlang Sdn.Bhd
2021/2022	Ahmad Syamizi Bin Mohd Sidek	Design and Simulation of Delivery Cart Using Flexsim Software	Malaysia Automotive Robotics IoT Institute
2021/2022	Muhammad Akmal Khairi Bin Ridzuan	Design and Simulation of Adjustable Funnel	Malaysia Automotive Robotics IoT Institute
2021/2022	Muhammad Fahmi Bin Mohamad Fadzil	Design and Simulation of Quality Inspection Line	Malaysia Automotive Robotics IoT Institute
2021/2022	Muhammad Khairul Ridhwani Bin Roslan	Design And Simulation of Assembly Line Using Flexsim Software	Malaysia Automotive Robotics IoT Institute
2021/2022	Arif Azfar bin Azhar	Line Balancing (Industrial Management)	Malaysia Automotive Robotics IoT Institute
2021/2022	Muhammad Nizam bin Abdul Rahim	Design And Simulation of Inventory Line	Malaysia Automotive Robotics IoT Institute

2021/2022	Faiz Hakimi bin Sharulizam	Improvement Design of Blending Process	Sumber Petroleum Cemerlang Sdn.Bhd
2021/2022	Mohd Nurhadi Hilmi bin Anuar	Relayout of Oil Quality Control Lab	Sumber Petroleum Cemerlang Sdn.Bhd
2021/2022	Abdul Haziq Mustaqim Bin Nor Azmi	Relayout The Warehouse According to Lean Principle	Malaysia Automotive Robotics IoT Institute
2021/2022	Mohamad Syafiq bin Md Sobri	Design of Box Assembly Line Mechanism	Malaysia Automotive Robotics IoT Institute
2021/2022	Amir Arrashid Bin Abu Bakar	Design and Simulation of Storage Bin	Malaysia Automotive Robotics IoT Institute
2021/2022	Afiq Durrani Bin Azli	Lean Maintenance System Building	Smart Manufacturing Research Institute
2021/2022	Ahmad Zulhilmie Bin Zamri	Roll Forming Simulation With Spring Back Analysis	Metal Forming Research Corporation Korea/ Gyeongsang National University Korea
2021/2022	Kasmin Danil	Augmented Reality for Smart Automatic Handling System	Malaysia Automotive Robotics IoT Institute
2021/2022	Mohamad Aiman Najib Bin Rahim	Karakuri System Interactive Learning Contents	Malaysia Automotive Robotics IoT Institute
2021/2022	Mohamad Khairulnaim Bin Mohamad Salleh	Unmanned Vacuum Hose Assembly System	Pyrocell Plastic Sdn.Bhd
2021/2022	Mohamad Zarul Haziq Bin Ahmad Hisham	Real - time monitoring system of Extrusion Process	Pyrocell Plastic Sdn.Bhd
2021/2022	Mohamed Fikri Bin Karim	Design And Development Of Vacuum Hose Assembly Mechanism	Pyrocell Plastic Sdn.Bhd
2021/2022	Mohammad Radhi Bin Halid	Improvement Of Extrusion Process Cooling Time	Pyrocell Plastic Sdn.Bhd
2021/2022	Mohd Amirul Asyraaf Bin Mohd Hizam	Total Productive Maintenance in A Manufacturing Industries	Malaysia Automotive Robotics IoT Institute
2021/2022	Mohd Asyraaf Bin Md Diwi	Design And Development of Artificial Intelligence in Visual Quality Control of Manufacturing Industry	Malaysia Automotive Robotics IoT Institute
2021/2022	Mohd Nur Hasif Bin Nor Izwan	Design & Development of AI in Visual Quality Control Inspection for Smart Karakuri Line	Malaysia Automotive Robotics IoT Institute
2021/2022	Mohd Nur Syahmi Bin Azman	Simulation And Analysis Of Extrusion Process	Malaysia Automotive Robotics IoT Institute
2021/2022	Mohd Yazid Bin Mohd Shah	Plate Forging Analysis By Using AFDEX Software	Metal Forming

			Research Corporation Korea/ Gyeongsang National University Korea
2021/2022	Muhamad Izzuddin Bin Zulkifly	Pontoon For Industrial Works	Smart Manufacturing Research Institute
2021/2022	Muhamad Uzair Bin Roslan	Augmented Reality in Machine Maintenance System	Malaysia Automotive Robotics IoT Institute
2021/2022	Muhammad Adib Afdhal Bin Ramli	Design and Development of Artificial Intelligence in Visual Quality Control	Malaysia Automotive Robotics IoT Institute
2021/2022	Muhammad Aidil Asyraf Bin Mahsom	Sustainability Study on The Life Cycle Assessment And Analysis Of Rubber	Malaysia Automotive Robotics IoT Institute
2021/2022	Muhammad Aiman Bin Masrom	Feasibility study of the IR4.0 pillars and its application to the industry for sustainable environment	Malaysia Automotive Robotics IoT Institute
2021/2022	Muhammad Haziq Fiqri Bin Mohd Hairi	Sustainability study on the Life Cycle Assessment and Analysis of Aluminum	Malaysia Automotive Robotics IoT Institute
2021/2022	Muhammad Iqbalhakim Bin Mohamad Rafi	Sustainable Study on the Life Cycle Assessment and Analysis of Metal Products	Malaysia Automotive Robotics IoT Institute
2021/2022	Muhammad Izzul Nazran Bin Shallahuddin	Smart Personal Home Robot Assistance	Smart Manufacturing Research Institute
2021/2022	Muhammad Saifuddin Bin Isnin	Total Productive Maintenance for box PLC printing machine	KYM Industries Sdn.Bhd
2021/2022	Muhammad Zulhilmi Bin Zubir	Design And Development of IoT Extrusion Process	Pyrocell Plastic Sdn.Bhd
2021/2022	Noramiera Ezrin Binti Norzaslee	Maintenance Management System for Automatic Handling System at Smart Manufacturing Research Institute Lab	Smart Manufacturing Research Institute
2021/2022	Nurin Ridzwana Binti Saheiran	Feasibility Study on The Life Cycle Analysis and Recyclability of Plastic Products	Malaysia Automotive Robotics IoT Institute
2021/2022	Wan Harith Firdaus Bin Che Wan Yusaidi	Augmented Reality in Machine Maintenance System	Smart Manufacturing Research Institute
2022/2023	Luqman Nurhakim Bin Ismail	Design and Development of Automatic Packaging System	KYM Industries (M) Sdn. Bhd.
2022/2023	Muhammad Syahmi Naif Binsedi @ Rosdi	Design And Development of Karakuri Box Printing Feeder	KYM Industries (M) Sdn. Bhd.
2022/2023	Muhammad Iqhmah	Augmented Reality in 3d	MARii- UiTM Satellite

	Binsamrin	Printer Machine	Node
2022/2023	Abdul Rahman Hakim Binabdul Razak	Augmented Reality for Digital Surface Analysis	MARii- UiTM Satellite Node
2022/2023	Nur Qurratu' Aini Binti Mahhadi	Lean Management of Fruits And Vegetables Distribution System	Federation Agricultural Marketing Authority (FAMA)
2022/2023	Khairul Hakimi Hamiduddinbin Abdul Hamid	Traceability and Monitoring of Recyclable Plasticcrates	Federation Agricultural Marketing Authority (FAMA)
2022/2023	Zuhairi Bin Mohd Zabri	Automatic Aquarium Fish Feeding System	MARii- UiTM Satellite Node
2022/2023	Muhammad Nor Ridzlan Binnazeri	Design And Fabrication of Automated Karakuri For Large Packaging Box	MARii- UiTM Satellite Node
2022/2023	Nur Anisah Binti Mohd Kamal	AI In Karakuri Quality Control	MARii- UiTM Satellite Node
2022/2023	Aidil Amirul Azad Bin Arzhad	Design And Fabrication of Automated Karakuri For Small Packaging Box	MARii- UiTM Satellite Node
2022/2023	Amirul Fikri Bin Azmi	Karakuri Maintenance System	MARii- UiTM Satellite Node
2022/2023	Izni Maishihah Bintimohammad Nizar	Lean and Green Manufacturing	MARii- UiTM Satellite Node
2022/2023	Nur Aina Najwa Bintinorhisham	AI in Karakuri Maintenance	MARii- UiTM Satellite Node

THESIS/ DISSERTATION EXAMINER

Title/ Name of Students (s)	Level	Institution	Year
The Effects of Awkward Posture and Heavy Lifting Towards Work Productivity of Aviation Maintenance Personnel, <i>Nur Nabilah Binti Mohd Yusof</i>	Master	UniKL	2022
Strategic Management for Cloud Migration Component for Malaysia Airlines Berhad, <i>Mohammad Muhaimin bin Samsuddin</i>	Master Dissertation	UiTM	2022
Design and Fabrication Equipment in Volvo New Assembly Line EV Chasis Line, <i>Muhamad Azwan bin Muhamad Nor</i>	Master Dissertation	UiTM	2022
Improvement of Condensate Treatment System in Production of Nitrile Rubber Latex, <i>Sharifah Noorainee binti Syed Mohd Yusof</i>	Master Dissertation	UiTM	2021
Adoption of E-Procurement Strategy and Procurement Performance In Glove Manufacturing Company that Practising Lean Manufacturing, <i>Wan Aathera Binti Wan Ahmad Marzuki</i>	Master Dissertation	UiTM	2021
TPS – Kaizen Implementation: Improve Process Through Muda Elimination, <i>Suraya Binti Abd Latif</i>	Master Dissertation	UiTM	2021
Effect of Surface Attrition Treatment Towards The Boron Diffusivity and Wear Mechanism of Boronized Compacted Graphite Iro./ <i>Khalissah Muhammad Yusof</i>	PhD	UiTM	2020
Process Improvement for Aircraft Hangar by Using DMAIC Approach, <i>Putri Amanda Syafri</i>	Master Dissertation	UiTM	2019
Effectiveness of Integration Management in Construction, <i>Wan Nurul Aliaa Wan Mazlan</i>	Master Dissertation	UiTM	2019
Improvement in QMS at Malaysia Aerospace Company: A Case Study, <i>Nurhidayah Ibrahim</i>	Master Dissertation	UiTM	2019
Improvement on Planning and Scheduling of A New Setup Airline, <i>Siti Zubaidah Skh Abd Rahim</i>	Master Dissertation	UiTM	2019
Lean Manufacturing in Gloves Industry, <i>Mirza Azri Mispari</i>	Master Dissertation	UiTM	2019
Technology Roadmap in Robotics for Rehabilitation in Malaysia, <i>Mahalil Amin Abd Malek</i>	Master Dissertation	UiTM	2019

Improvement of CAD Workflow Process Through Implementation of Multinational Enterprise Software, <i>Puspa Diana Jalal</i>	Master Dissertation	UiTM	2019
Systematic Cost Analysis Using "Itakona" Approach for Printing Part , <i>Nursuhana Binti Alauddin</i>	Master Dissertation	UiTM	2016

PUBLICATION

Q1/Q2 JOURNAL

Thoufeili Taufek, Yupiter HP Manurung, Syidatul Akma, Wan Emri Wan Abdul Rahaman, Mohd Halim Irwan, Noor Azlina Mohd Salleh, Mohd Shahrman Adenan, Baohua Chang and Birgit Awiszus, 2022, Distortion Analysis of Generatively Designed Hinge Bracket using Meso-scaled Thermomechanical Simulation with Experimental Validation, Virtual and Physical Prototyping, Vol 14, 4, 966-988.

Noor Azlina Mohd. Salleh, Salmiah Kasolang, Hj Ahmed Jaafar (2012), "Review study of developing an integrated TQM with LM framework model in Malaysian automotive industry", The TQM Journal, Vol. 24 Issue: 5, 399 – 417.

POLICY PAPER

Kajian Dasar Halatuju Program Kejuruteraan di Universiti- universiti Malaysia dalam Mendepani Era Revolusi Industri 4.0 – Majlis Dekan- Dekan Kejuruteraan Malaysia dan Jabatan Pendidikan Tinggi, Kementerian Pengajian Tinggi, 2022 (In-Progress)

Code of practice for motor vehicle aftermarket: Repair, Reuse, Recycle and Remanufacture(4R) for parts and components, 2018, Ministry of International Trade and Industry, SIRIM.

Code of practice for motor vehicle aftermarket :Service and Spare [replacement] parts (2S), 2018, Ministry of International Trade and Industry, SIRIM.

SCOPUS JOURNAL

Noor Azlina Mohd Salleh, Siti Fatimah Ahmad, Mohd Rizaimy Shahrudin, Suzana Ab. Rahim, 2022, Evaluation of Transportation Distance Optimization Route for Milk Run Logistics System, International Journal of Supply and Operations Management, Accepted- Pending Publication.

Azianti Ismail, Liyana Roslan, Herda Balqis Ismail, Noor Azlina Mohd.Salleh, 2021, Student's Satisfaction Level Towards Advising Service, Asian Journal of University Education 17 (3), 291-298.

Noor Azlina Mohd. Salleh, Nurismahani Ngadiman, Nur Asiah Kuzaiman, Salmiah Kasolang, Jorg Hoffman, Green Lean TQM Leadership Management Practices in Malaysian Food Companies, Journal of Mechanical Engineering, 2020, 9(Special Issue1), pp. 239–250.

Nabil Hidzir Pauzi, Noor Azlina Mohd. Salleh, Shahrulazam Abdullah, Johan Rizwan Ismail, Jorg Hoffman (2020), Peripheral Arm Board Design for Angiography Procedure in Malaysia, Journal of Mechanical Engineering9(Special Issue1), pp. 95–103.

Argustina Zainuddin, Nur Asiah Kuzaiman, Noor Azlina Mohd.Salleh, Salmiah Kasolang (2019), Quality green energy supply chain management practices in Malaysian Automotive Companies, Journal of Mechanical Engineering, , 16(1), pp. 149–159.

Noor Azlina Mohd.Salleh, Mohd Farhan Suhaimi (2018),A Case Study On The Improvement Of Productivity And Efficiency Of A Quality Control Line For A Cutting Tool Manufacturer, Journal of Mechanical Engineering, Vol SI 5(1), 222-239.

Noor Azlina Mohd.Salleh, Mohd. Syahmi Shahar (2018), Cycle Time Improvement by Lean Six Sigma for the Cutting Tool Production Line, Journal of Mechanical Engineering,Vol SI 5(1), 240-264.

Noor Azlina Mohd.Salleh, Nur Asiah Kuzaiman, Salmiah Kasolang, Amirul Abdul Rashid (2018), Green Lean Tqm Islamic Process Management Practices In Malaysian Food Companies , Journal of Mechanical Engineering,Vol SI 5(4), 12-22.

Argustina Zainuddin, Nur Asiah Kuzaiman,Noor Azlina Mohd Salleh,Salmiah Kasolang, Joerg Hoffmann (2018), Quality Green Energy Supply Chain Management Practices in Malaysian, Journal of Mechanical Engineering, Vol 15(2), 1-12.

Mohd. Syahmi Shahr, Noor Azlina Mohd.Salleh (2018), Cycle time improvement by lean six sigma for the cutting tool production line, Journal of Mechanical Engineering, Vol. 5 (1), 240-264.

Noor Azlina Mohd.Salleh, Salmiah Kasolang, Muhammad Azri Mustakim, Nor Asiah Kuzaiman (2017), The Study on Optimization of Streamlined Process Flow Based On Delmia Quest Simulation in an Automotive Production System, Procedia Computer Science 105, 191 – 196.

Noor Azlina Mohd.Salleh, Mohd. Syahmi Shahar (2017) , Design and Analysis of Tungsten Carbide Sludge Removal Machine for Maintenance Department in Cutting Tool Manufacturer, Procedia Manufacturing 11, 1396 – 1403.

Mohd Arif Hakim Azizan, Muhammad Hussain Ismail, Noor Azlina Mohd Salleh, David Valliyappan Natarajan (2017), Sound Absorption Properties at High Sound Frequency of Open Cell Aluminium Foam, Journal of Mechanical Engineering, Vol SI 2 (1), 161-173.

Noor Azlina Mohd.Salleh, Nur Asiah Kuzaiman, Salmiah Kasolang (2017), Green Lean TQM Islamic Management Practices in Malaysia Food Companies, Pertanika J. Sci. & Technol. 25 (S): 255 – 262.

Noor Azlina Mohd. Salleh, Salmiah Kasolang, Ahmed Jaafar, Nurul Hayati Abdul Halim (2015), LeanTQM Leadership Management Practices in Malaysian Automotive Companies, Jurnal Teknologi. 76,6,1-6.

Nurul Hayati Abdul Halim, Ahmed Jaafar, Noriah Yusof, Rosleena Jaafar, Ahmad Naufal Adnan, Noor Azlina Mohd. Salleh, Nur Nida Azira (2015), Standardized Work in TPS Production Line, Jurnal Teknologi,76,6,73-78.

Noor Azlina Mohd. Salleh, Salmiah Kasolang, Hj Ahmed Jaafar (2013), “Green Lean TQM Suppliers, Organization and Customers Management in Malaysian Automotive Companies”, Applied Mechanics and Materials,393, 29-35.

Noor Azlina Mohd. Salleh, Salmiah Kasolang, Hj Ahmed Jaafar (2013), “Green Lean TQM Suppliers, Organization and Customers Management in Malaysian Automotive Companies”, Applied Mechanics and Materials,393, 29-35.

Noor Azlina Mohd. Salleh, Salmiah Kasolang, Hj Ahmed Jaafar (2012), “Simulation of integrated total quality management (TQM) with lean manufacturing (LM) practices in forming process using Delmia Quest”, Procedia Engineering 41, 1702-1707.

Noor Azlina Mohd. Salleh, Salmiah Kasolang, Hj Ahmed Jaafar (2012), “Green lean total quality information management in Malaysian automotive companies”, Procedia Engineering 41, 1708-1713.

Noor Azlina Mohd. Salleh, Salmiah Kasolang, Hj Ahmed Jaafar (2012), "Green lean TQM human resource management practices in Malaysian automotive companies", International Journal of Economics and Management Engineering 6 (10), 2065-2069.

Noor Azlina Mohd. Salleh, Salmiah Kasolang, Hj Ahmed Jaafar (2011), "Lean TQM automotive factory model system", World Academy of Science, Engineering and Technology 79 (7).

SCOPUS PROCEEDING

Noor Azlina Mohd Salleh, Ahmad Naqib Akmal Abdul Manan, Asyraf Azizi bin Mohd Safri, Azianti Ismail 2021, Development of Monozukuri Machine for Spreading Fabric, World Congress on Science, Engineering and Technology 2021 Conference, 835, 751- 763, 11 March 2021, Scopus Proceeding

Noorfadzli Abdul Razak, Muhammad Rafie Sazali, Juliana Johari, Noor Azlina Mohd. Salleh, Yupiter Harangan Prasa Manurung and Ng Kok Mun, Design and Development of Modular and Open System (MOST) for Pandemic Precaution, 8th International Conference on Computational Science and Technology 2021, 28 – 29 August 2021, Lecture Notes in Springer, Scopus Proceeding

Noor Azlina Mohd. Salleh, Nurismahani Ngadiman, Nur Asiah Kuzaiman, Salmiah Kasolang, 2021, Green Lean TQM Supplier/Organization/Customer Management Practices in Malaysian Food Companies, Lecture Notes in Mechanical Engineering, Volume 46, Pages 121 - 130 2021, Innovative Manufacturing, Mechatronics and Materials Forum.

Muhammad Farhan Mohd Suhaimi, Noor Azlina Mohd Salleh, Dato' Ts. Mohamad Madani Sahari , Mohd Sharulnizam Sarip (2020), Development of Kuala Lumpur driving cycle for the estimation of fuel consumption and vehicular emission, IOP Conference Series: Materials Science and Engineering, 2020, 834(1), 012040.

Noor Azlina Mohd Salleh, Muhammad Syukran Al-Baria Noor Sazali , Noor Ayuni Che Zakaria, Nadia Mohd Mustafah , Aizreena Azaman (2020), Electromyography analysis of lower extremity muscles during squat and stoop movement, IOP Conference Series: Materials Science and Engineering, 834(1), 012035.

Mohd.Syahmi Shahar, Noor Azlina Mohd.Salleh, Nor Shahira Shahrom, Norsham, S.H., Production output real time data monitoring based on internet of things (IOT) at automotive part machining line (2020), IOP Conference Series: Materials Science and Engineering, 834(1), 012062.

Indera Shaiful Baharudin, Bulan Abdullah, Noor Azlina Mohd. Salleh, Sharifuddin,P *2020), A case study on change management readiness for an oil & Gas SME Company in Malaysia, IOP Conference Series: Materials Science and Engineering, 834(1), 012048.

Mohd Hafiz Izzuden Bin Abdul Hamid, Noor Azlina Binti Mohd Salleh, Nor Hafiez Mohamad Nor, Muhammad Hussain Bin Ismail, Muhammad Firdaus Bin Yahya, Mat Isa Bin Saari, Siti Maisarah Mohd Pital (2020), Study on rheological and dimensional properties of polypropylene on end-of-life vehicles, IOP Conference Series: Materials Science and Engineering, 834(1), 012003.

Muhammad Hussain Ismail, Noor Azlina Mohd. Salleh (2017), Green CDIO Project Based Learning (PBL), 7th World Engineering Education Forum (WEEF), 777-781.

Noor Azlina Mohd Salleh, Khairiyah Mohd. Yusof (2017), Industrial Based Final Year Engineering Projects: Problem Based Learning (PBL), 7th World Engineering Education Forum (WEEF), 782-786.

Noor Azlina, Argustina, Lean, Quality & Energy Environment Leadership Management Practices in Malaysian Automotive Companies. Conference on Science and Social Research (CSSR2016).

OTHER PUBLICATION

Noor Azlina Mohd. Salleh, Patented Telekung Innovation With Its Unique and Innovative Face Design, Malaysia Productivity Corporation, Online Newsletter 2022.

Noor Azlina Mohd. Salleh, UiTM, the First Malaysian University to Receive Korean Metal Forming Simulator AFDEX Software, QS Global Education News Asia, 2021.

Noor Azlina Mohd. Salleh , MARii Podcast: UiTM discusses the new normal in higher education, QS Global Education News Asia, 2021.

Noor Azlina Mohd.Salleh, ICAME 2019 To Emphasise On Technologies To Fulfill Modern Humanity Needs, QS Global Education News Asia, 2019.

Noor Azlina Mohd.Salleh, Geetha Subramaniam, SMRI, UiTM Strives To Build Impactful Collaboration between Academia, QS Global Education News Asia, 2019.

CHAPTER IN BOOK

Noorleena Mohd. Noorlan, Noor Azlina Mohd. Salleh (2016), Case Study on Line Balancing at The Engine Transmission Machining (ETM) Line in a Malaysia Automotive Company, 5th. International Symposium on Technology for Sustainability, National Institute of Japan and National Taipei Institute of Technology.

Nasyitah Adnan, Noor Azlina Mohd. Salleh (2016), Case Study: Design and Development of Kanban System for Spin on-4 (Oil Filter) Line at an Automotive Industries in Malaysia, 5th. International Symposium on Technology for Sustainability, National Institute of Japan and National Taipei Institute of Technology.

Luqman Hadi Azahar, Noor Azlina Mohd. Salleh (2016), Case Study: Kitting System Implementation in Malaysian Automotive Company, 5th. International Symposium on Technology for Sustainability, National Institute of Japan and National Taipei Institute of Technology.

Luqman Hadi Azahar, Noor Azlina Mohd. Salleh, Nik Roselina Nik Roseley, Salmiah Kasolang, Ahmed Jaafar (2015), The Sustainability of Kanban System in a Malaysian Automotive Company, 4th. International Symposium on Technology for Sustainability, National Institute of Japan and National Taipei Institute of Technology.

THESIS

Noor Azlina Mohd. Salleh (2014), Design and development of integrated quality management model based on TQM, LM and EMS in Malaysian automotive companies, Ph. D. Thesis, Universiti Teknologi Mara Malaysia.