



# MOHD ZULFABLI BIN HASAN

**Detailed Curriculum Vitae  
Statement of Teaching Interest  
Statement of Research Interest**



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Dr. Mohd Zulfabli Hasan



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**RESEARCH INTEREST:** Operations Management  
 Lean Management  
 Supply Chain Management  
 Engineering Management  
 Technology Management

**ACADEMIC QUALIFICATION**

QUALIFICATION	INSTITUTION	YEAR OF GRADUATE
PhD in Technology, Operations, and Logistics Management (Lean Management)	Universiti Utara Malaysia, Malaysia (AACSB Accredited)	2021
Master of Business Administration (Engineering Management)	Universiti Malaysia Perlis	2013
Bachelor of Manufacturing Engineering Manufacturing Management) With honours	Universiti Teknikal Malaysia Melaka (UTeM)	2010
Diploma in Manufacturing Engineering Technology	Japan-Malaysia Technical Institute (JMTI)	2007
Diploma of Malaysia Skills in Metal Machining Technology - Manufacturing (CAD / CAM)	Japan-Malaysia Technical Institute (JMTI)	2007

## RELEVANT COURSES

<b>Course</b>	<b>Doctor of Philosophy, PhD</b>
<b>Faculty</b>	School of Technology Management and Logistics, Universiti Utara Malaysia, Malaysia (AACSB Accredited University)
<b>Thesis</b>	Relationship between Lean Manufacturing Practices towards Sustainability in Manufacturing Organisations: Mediating Effect of Manufacturing Performance and Moderating Effect of Ethical Climate

Lean manufacturing practices (LMP) is considered as a manufacturing philosophy that can lead to global manufacturing performance by adopting and carefully implemented in the organisations. In fact, it gives the manufacturers a competitive advantage by enhancing the economic, environmental and social. In line with that, this study was aimed to examine the relationship between LMP and sustainability among Malaysia's manufacturing organisations. Specifically, it aimed at investigating both the mediating role of manufacturing performance (MP) on the relationship between LMP on sustainability, and the moderating role of ethical climate (EC) on the relationship between LMP on manufacturing performance. The motivation for this study was motivated by the sustainability issue of previous research that needs to be more investigated for the good of the organisations. In addition, further exploration is also needed on the impact of lean manufacturing on long-term sustainability. In this case, sustainability in production is seen as the leading feasible solution that needs to be explored. Furthermore, studies in examining the influence of EC on MP where the effect of possible mediating and moderating variables that had been proposed to explain the inconclusiveness, were limited. Consequently, this study integrated theories Resource Based View (RBV) and the Stakeholder Theory to map and position the possible relationships between the variables in the conceptual framework. Since the quantitative method was applied, the questionnaires were developed through extensive literature review. The population size for this study was 2368 based on Malaysia Federation of Manufacturing in Malaysia (FMM). In this study, the unit of analysis was the companies embodied from middle up to the top management. The survey questionnaires were randomly distributed to 335 manufacturing organisations in Malaysia as the sample with a 30.4 percent response rate. The data collected were analysed by performing the PLS-SEM technique. The results indicated that i) the positive relationship between LMP and SUS, ii) the positive relationship between LMP and MP, iii) the positive relationship between MP and SUS, iv) the positive relationship between EC and MP, v) mediating role of MP between LMP on SUS were established, vi) EC as a moderator did not support the relationship between LMP on MP. Generally, LMP and MP positively improved sustainability, showing that these are the important elements that should be seriously considered by practitioners. Therefore, this study could broaden the boundary of the existing literature, and contributes to the body of knowledge related to lean manufacturing practices, sustainability, manufacturing performance and ethical climate theoretically, practically, and methodologically.

<b>Course</b>	<b>Master of Business Administration (Engineering Management)</b>
<b>Faculty</b>	School of Business Innovation and Technopreneurship Universiti Malaysia Perlis, Malaysia

### Completed Course

- Engineering management
- Emerging Engineering Technologies
- Project Management
- Energy Management and Audit
- Leadership & Strategic Human Resource Management
- Marketing
- Business Ethics & Corporate Social Responsibilities
- Management Consulting
- Accounting for Business
- Managerial Economics
- Financial Statement Analysis
- Business Research Methodology

## Master Thesis

A Study of Factor Influenced Self Efficacy and Relationship to the Academic Performance

This thesis presents factors influencing self-efficacy and its relationship with academic performance among first-year and final-year students of Diploma Mechanical Engineering at Politeknik Tuanku Syed Sirajuddin and Politeknik Seberang Perai. The self-efficacy theory is a key concept in the social cognitive theory. It is often defined as how students perceive their ability to successfully solve tasks, learn activities, or perform behaviors at designated levels. Hence, this research identifies four (4) factors influencing self-efficacy: mastery experience, vicarious experience, verbal persuasion, and psychological arousal. Mastery experience is interpreted as the result of one's previous performance. Meanwhile, vicarious experience refers to positive influences to efficacy beliefs by observing how other people succeed. In contrast, verbal persuasion is what one receives from significant others, encouraging feedback and judgement to bolster one self-efficacy to perform tasks. On the other hand, psychological arousal refers to states such as anxiety, stress, and fatigue. Interpretations of these states often serve as indicators of student competency. Meanwhile, academic performance is measured through cumulative grade point average (CGPA). SPSS is employed for statistical analyses by using correlation and regression. In this study, it was found that there is a significant relationship between self-efficacy and academic performance. Besides, factors, such as mastery experience, vicarious experience, verbal persuasion, and psychological arousal, totally influence self-efficacy. This study obtained the data using a questionnaire through probability sampling. Thus, each member of the population has an equal probability of being selected.

<b>Course</b>	<b>Bachelor of Manufacturing Engineering (Manufacturing management) with Honours</b>
<b>Faculty</b>	Manufacturing Engineering, Universiti Teknikal Malaysia Melaka (UTEM)

### Completed Course

- Industrial Engineering
- Quality Management
- Engineering Metrology
- Industrial Ergonomics
- Operational Research
- Engineering in Society
- Lean Manufacturing
- Project Management
- Manufacturing Strategy
- CNC Technology
- Production Planning & Control
- Facilities Planning & Design
- Modelling & Simulation
- CAD/CAM
- Heat Transfer
- NDT & Failure Analysis
- Design for Environment
- Manufacturing Economy
- Organization Behaviour
- Numerical Methods
- Control System
- Engineering Materials
- Thermo Fluid
- Manufacturing Process I & II
- Mechatronic System
- Quality & Reliability
- Product Design & Development

**SUPERVISIONS:**

Year	Students' Name/ Project Title	Status	Achievement	Level
2023	Ali Said Ali Al Hammadi <b>3PL Modernization and Its Impact on SME Performance: The Mediating Role of Operational Risk Assessment</b>	In progress	-	PhD
2023	Ahmed Samir Ghowel <b>Road map of Lean transformation for a Shipyard facility in Middle East Region (PhD)</b>	In progress		
2023	Yao Jia Ying <b>Access students' acceptance of university initiative approaches to sustainability to improve their acceptance of sustainability.</b>	Completed	-	Bachelor Degree
2023	Selvarani Kumar <b>Determine Factors of Customer Service Quality Towards Courier Service at Kulai</b>	Completed	-	Bachelor Degree
2021	Muhammad Faris Irfan Bin Ismail Mohamad Naim Bin Othman Siti Nur Ain Farzana Binti Fadzil Zaidatul Shuhada Binti Salleh <b>Case Study: The Development of Garbage Trolley Based on Ergonomic Mechanism</b>	Completed	Collaboration with Cleaning Services Company	Diploma
2021	Nur Intan Syamimi Binti Roslan Ahmad Asyhraf Daniel Bin Ahmad Yani Adib Muzammil Bin Zulkifli Farah Azleyana Binti Adnan <b>Durian Opener</b>	Completed	Collaboration with fruit seller	Diploma
2020	Nabil Qusyairi B Shamsul Azman Muhammad Ibtisam B Abdul Latif Nur Emilia Bt Darusomin Nurul Atira Bt Yusri <b>The Kaizen of Multi-Purpose Rack Based on Lean Manufacturing Concept</b>	Completed	Acknowledgment Recognition from SME (Anaqah Exclusive Sdn. Bhd)	Diploma
2020	Mior Khumaini Bin Khuzaid Muhammad Najmi Haikal Bin Kamarol Zaman Nur Adilah Binti Saad Nursyazwina Binti Mohd Khairul Anuwar <b>Thermodynamics Kit</b>	Completed	Provide a Thermodynamics kit to assist students in learning Thermodynamics	Diploma
2019	Suveerak A/L Surapon Willy A/L Tian Nadia Haziara Binti Abd Majid Premkumar A/L Pushparajan <b>Mechanical Workshop Practice Acquainted Through Augmented Reality (AR)</b>	Completed	Gold Medal, Innovative Research, Invention and Application Exhibition 2019 (I-RIA) 1 <sup>st</sup> Place, Innovation, Project	Diploma

			Presentation and Exhibition (i-Propex 2019)	
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## WORKING EXPERIENCE - ACADEMICIAN

### October 2022- Present

(Senior Lecturer, Department of Management and Technology, Faculty of Management, Universiti Teknologi Malaysia, Johor)

### January 2011 – September 2022



(Lecturer, Department of Mechanical Engineering, Politeknik Tuanku Syed Sirajuddin, Perlis)

### May 2020 – September 2021

(Head of Relations and Industrial Training Unit, Politeknik Tuanku Syed Sirajuddin, Perlis)

### May 2016 – May 2018


(Coordinator of Relations and Industrial Training Unit, Politeknik Tuanku Syed Sirajuddin, Perlis)


 <p><b>UTM</b> UNIVERSITI TEKNOLOGI MALAYSIA</p> <p><b>Senior Lecturer, Department of Management and Technology, Faculty of Management, Universiti Teknologi Malaysia, Skudai, Johor, Malaysia</b></p>	<ul style="list-style-type: none"> <li>• Taught Project Management, Supply Chain Management, Introduction of Operations Management, Graduate Students Attitude and Extra Curricular Activities.</li> <li>• Taught Project Management Part Time Student in UTM, School of Professional and Continuing Education (SPACE).</li> <li>• Academic advisor for the Management and Technology Students</li> <li>• Coordinator of First Year Experience (FYE) Program for Faculty Management.</li> <li>• Members of International Symposium on Teaching &amp; Learning Innovation (ISTLI 2022)</li> <li>• Club Advisor (Technology Management Club)</li> <li>• Virtual Lab Team</li> <li>• Committee member of Cornerstone Convergence Program for Future Ready Curriculum Symposium</li> <li>• Committee member of Curriculum Development,</li> <li>• Committee member of Emergency Response Team (ERT) Khas Fire Drill</li> <li>• Committee member of Student Personal Development</li> <li>• Committee member of Work-Based Learning Program to Legoland Malaysia</li> <li>• Committee member of the Industrial visit Program to BMW Asia Technology Sdn. Bhd., Johor, Malaysia</li> </ul>
 <p><b>POLITEKNIK MALAYSIA</b> TUANKU SYED SIRAJUDDIN</p> <p><b>Head of Relations and Industrial Training Unit / Head of Creative and Innovative Group/ Risk Management Coordinator/ Lecturer, Diploma of Mechanical Engineering Politeknik Tuanku Syed Sirajuddin, Perlis, Malaysia (PTSS) (TVET institution)</b></p>	<ul style="list-style-type: none"> <li>• Involved in the development of innovation at the national, international and Asian levels.</li> <li>• Managing student industrial training placements</li> <li>• Engage with industry regarding students' industrial training.</li> <li>• Prepared documentations for the Malaysian Qualification Agency (MQA).</li> <li>• Committee member for Industrial Relation.</li> <li>• Taught Industrial Management, Maintenance Management, Final Year Project, Mechanical Workshop Practice, Thermodynamics, Computer Aided Design, Engineering Design, Engineering Drawing.</li> <li>• Academic advisor for the Mechanical Engineering Students</li> <li>• Prepared, reviewed and formulated the Malaysian Polytechnic Final Examination questions for the courses Thermodynamics and Industrial Management.</li> <li>• Reviewed and marked the answer scripts of the Final Examination of the Diploma in Mechanical Engineering students.</li> <li>• Panel of evaluators for the Final Semester Diploma in Mechanical Engineering Project for each semester.</li> <li>• Final Project Supervisor of Diploma in Mechanical Engineering Students.</li> <li>• Involved directly with risk assessment and improvement for Relations</li> </ul>

## STATEMENT OF TEACHING INTERESTS |

	<p>and Industrial Training Unit.</p> <ul style="list-style-type: none"> <li>● Conduct research activities and participate in conferences.</li> <li>● Committee member of Politeknik Tuanku Syed Sirajuddin Stake Holder</li> <li>● Evaluator for Industrial Training Session in PTSS</li> <li>● Evaluator for e-Colloquium Diploma in Food Service Halal Practice in PTSS</li> <li>● Panel of Jury for 10th National Conference in Education Technical &amp; Vocational Education and Training (CiE-TVET)</li> <li>● Facilitator/Leader of Lean Convention @UKM</li> <li>● Leader of Enginius Group, <i>Kumpulan Kreatif &amp; Inovatif (KIK)</i></li> <li>● Evaluator for Mechanical Engineering Diploma (Final Project)</li> <li>● Member of MQA Committee</li> <li>● Member of 5S Committee</li> <li>● Advisor of PTSS Public Speaking Club</li> <li>● Coordinator of PTSS Nasyid Team</li> <li>● 14th Malaysian General Election (Counting clerk at N.003 Arau)</li> <li>● Secretariat of industrial training creative publication of final report</li> <li>● Facilitator of <i>Pemantapan Jati Diri</i> &amp; Soft skill workshop</li> <li>● Committee member of <i>Majlis Mesyuarat Kerajaan Bioteknologi &amp; Teknologi Hijau Negeri Perlis, Malaysia</i></li> <li>● Advisor of Debate Club, PTSS</li> <li>● Secretariat of Education Talk: Event Management Exposure Programme</li> <li>● Committee members of Pra-Graduasi &amp; Apresiasi Mechanical Engineering Department</li> <li>● Committee members of Entrepreneurship Carnival, PTSS</li> <li>● Committee members of PTSS Colloquium</li> <li>● Committee members of <i>Majlis Menandatangani Surat Hasrat &amp; Apresiasi Industri.</i></li> <li>● Jury of Malay Public speaking, PTSS</li> <li>● 13th Malaysian General Election (Counting clerk at N.12 Tambun Tulang)</li> <li>● Logistic Committee members of <i>Majlis Tilawah Al Quran, Festival Nasyid &amp; Pidato Bahasa Inggeris Politeknik Malaysia</i></li> <li>● Committee members of 5th PTSS convocation</li> <li>● Facilitator of Program Pendidikan Luar Polibriged</li> <li>● Committee members of <i>Majlis Anugerah Kecemerlangan Latihan Industri PTSS</i></li> </ul>
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**WORKING EXPERIENCE - INDUSTRY****2010 - January 2011:**

POSITION	SCOPE OF WORK
 <p><b>GRAND CARPET INDUSTRIES SDN BHD</b></p> <p><b>Project Executive Sugihara Grand Carpet Industries Sdn Bhd Selangor,</b></p>	<ul style="list-style-type: none"> <li>● Responsible in Handling Production line</li> <li>● Strategizing for production improvement</li> <li>● Training and Coaching Supervisors regarding lean tools.</li> <li>● Influencing and Assisting managers on solving production's issues</li> <li>● Developed and planned the production line manpower</li> </ul>

<b>Malaysia</b>	
 <p><b>Logistic Officer Sony Supply Chain (M) Sdn. Bhd. Selangor, Malaysia</b></p>	<ul style="list-style-type: none"> <li>• Strategizing for logistic transportation</li> <li>• Responsible in managing the transition of finish good from production line to the transportation</li> <li>• Responsible in managing the stock in warehouse</li> </ul>

**PAPER REVIEWER/ JOURNAL EDITOR/ PANEL OF JURY**

<b>Year</b>	<b>Activities</b>	<b>Organizer</b>
2024	Panel of Jury Asean Innovative Science, Environmental and Entrepreneur Fair (AISEEF) 2nd-5th February 2024, Indonesia	Indonesia Young Scientist Association (IYSA)
2024	Panel of Jury for 4th International Creative and Innovative Product Exhibition (ICrIPE2024), Medan, Indonesia	Forum Kerjasama Pendidikan Tinggi Medan & Technological Association Malaysia
2024	Panel of Jury for Rail Tech Expo 2024, UTM, Malaysia	Faculty of Civil Engineering, UTM
2023	Speaker for Market Driven Innovation, UiTM, Malaysia	Uitm Kedah
2023	Moderator for 6th International Academic Studies Group Congress, Bingol University, Turkey	Bingol University, Turkey
2023	Panel of Jury for Youth International Science Fair (YISF), Bali, Indonesia	Indonesia Young Scientist Association (IYSA)
2023	Panel of Jury for International Innovative Design Expo (IIDEX), UTeM, Melaka, Malaysia	Universiti Teknikal Malaysia Melaka, Malaysia
2023	Panel of Jury for 3 <sup>rd</sup> International Creative and Innovative Product Exhibition (ICrIPE2023), Medan, Indonesia	Forum Kerjasama Pendidikan Tinggi Medan & Technological Association Malaysia
2023	Panel of Jury Asean Innovative Science, Environmental and Entrepreneur Fair (AISEEF), Indonesia	Asean
2023	Panel of Jury for 7th Exhibition of Research, Idea & Innovation on Creative and Humanizing (7th IE-RIICH 2023), UPSI, Malaysia	Universiti Pendidikan Sultan Idris, Malaysia
2022	Panel of Jury for Indonesia International Applied Science Project Olympiad (I2ASPO)	Indonesia Young Scientist Association (IYSA)



## STATEMENT OF TEACHING INTERESTS |

2022	Panel of Jury for International Virtual Education Invention, Innovation & Design Competition (iVEDIIC2022) UiTM	Universiti Teknologi MARA, Malaysia
2022	Panel of Jury for Malaysian Youth One Health Challenge (MyOHC)	Malaysia One Health University Network (MYOHUN)
2022	Panel of Jury for Negeri Sembilan International Exposition (NSIEx)	UiTM Cawangan Negeri Sembilan
2022	Panel of Jury for National Innovation and Invention Competition (NIICe2022)	Universiti Tun Hussein Onn (UTHM)
2022	Panel of Jury for Innovative Research, Invention and Application Exhibition (I-RIA) 2022	Universiti Utara Malaysia
2022	Panel of Jury for National Conference on TVET for Undergraduate students (NCTS2022)	Politeknik Malaysia
2022	Panel of Jury for National Innovation Competition and Exhibition (INCEX2022)	Kolej Komuniti Selayang, Malaysia
2022	Panel of Jury for Virtual Innovation & Research Exhibition Unimap 2022	Universiti Malaysia Perlis
2022	Panel of Jury for PMJB National Innovation & Creativity Competition 2022 (PNiCC'22)	Politeknik Metro Johor Bharu
2021	Reviewer for 'The Handbook of Business, Finance and Economics' (UiTM)	Universiti Teknologi MARA, (UiTM), Kedah, Malaysia
2021	Reviewer for Malaysia Perception of Safety Index (PSI) Book	Ministry of Home Affairs, Malaysia
2021	Reviewer for African Educational Research Journal (AERJ)	African Educational Research Journal
2021	Panel of Jury for National Innovation and Invention Competition through Exhibition 2021 (iCompEx' 2021)	Department of Polytechnic Education and Community Colleges.
2021	Professional Jury of International Digital Innovation and Invention Challenge (IDIIC 2021)	Sekolah Menengah Sains Pasir Puteh, Kelantan, Malaysia
2021	Panel of Jury for Innovative Research, Invention and Application Exhibition (I-RIA) 2021	Universiti Utara Malaysia
2021	Panel of Jury for Innovative Teaching & Learning Research Day (InTRed'21)	Universiti Teknikal Malaysia Melaka (UTeM)
2021	Panel of Jury for Borneo Innovation Festival 2021	Politeknik Sandakan Sabah, Malaysia
2020	Author of the Mechanical Engineering textbook (Form 5)	Ministry of Education Malaysia
2020	Judge of Virtual International Research and Innovation Symposium and Exposition (RISE 2020-UTHM)	Universiti Tun Hussein Onn, Johor, Malaysia
2020	Judge of the 9 <sup>th</sup> Seminar on Innovation and Creativity (UiTM Arau, Perlis)	Universiti Teknologi MARA, (UiTM), Arau, Perlis, Malaysia

## STATEMENT OF TEACHING INTERESTS |

2020	Panel of Jury for 10 <sup>th</sup> National Conference in Education Technical & Vocational Education and Training (CiE-TVET)	Department of Polytechnic Education and Community Colleges.
2020	Judge for Perlis International Engineering Invention Innovation Exhibition Pi-ENVEX 2020	Universiti Malaysia Perlis
2020	Facilitator/Leader of Lean Convention @UKM	Universiti Kebangsaan Malaysia
2019	Evaluator for UNIMAP Final Project (i-Dexter, School of Manufacturing Engineering)	Universiti Malaysia Perlis
2018	Assessor for 2 <sup>nd</sup> research innovation commercialization exhibition UUM	Universiti Utara Malaysia
2018	Evaluator for UNIMAP Final Project (School of Manufacturing Engineering)	Universiti Malaysia Perlis
2017	Evaluator for UNIMAP Final Project (School of Manufacturing Engineering)	Universiti Malaysia Perlis

**SPEECH AND TRAINING DELIVERED**

<b>Year</b>	<b>Activities</b>	<b>Participants</b>
2023	Innovation (Creative and Innovative Competition)	Politeknik Metro Kuantan, Malaysia
2023	How to develop an innovation	Hospitality and Tourism Department, Politeknik Tuanku Syed Sirajuddin, Malaysia
2022	Lean Management Workshop	Commerce Department, Politeknik Tuanku Syed Sirajuddin, Malaysia
2022	Rubric Evaluation of Industrial Training Workshop	Staff, Politeknik Tuanku Syed Sirajuddin, Malaysia
2021	Innovation	Agensi Anti Dadah Perlis (AADK)
2021	Webinar Presenter, Asia International Innovation Exhibition 2021 (AIINEX 2021)	Participants of Asia International Innovation Exhibition 2021 (AIINEX 2021)
2021	Lean Management Workshop	Staff, Politeknik Tuanku Syed Sirajuddin, Malaysia
2021	Basic Knowledge of Innovation	Staff, Kolej Komuniti Selayang, Selangor, Malaysia
2021	Introduction of Industrial Training	Final Year Students, Politeknik Tuanku Syed Sirajuddin, Malaysia
2021	Industrial Training Preparation	Final Year Students, Politeknik Tuanku Syed Sirajuddin, Malaysia
2021	Academic Writing: Methodology	Final Year Students, Politeknik Tuanku Syed Sirajuddin, Malaysia
2020	Academic Writing: Introduction & Literature Review	Final Year Students, Politeknik Tuanku Syed Sirajuddin, Malaysia
2020	Introduction of Industrial Training	Final Year Students, Politeknik Tuanku Syed Sirajuddin, Malaysia
2020	Industrial Training Preparation	Final Year Students, Politeknik Tuanku Syed Sirajuddin, Malaysia
2017	Scientific Writing Workshop: Industrial Revolution 4.0	Staff, Politeknik Tuanku Syed Sirajuddin, Malaysia

## STATEMENT OF TEACHING INTERESTS |

2017	SPSS Basic Workshop	Staff, Politeknik Tuanku Syed Sirajuddin, Malaysia
2016	Interactive Application Workshop: Poly Interns	Staff, Politeknik Tuanku Syed Sirajuddin, Malaysia

**COURSES AND CONFERENCES**

<b>Conference Details</b>	<b>Venue</b>
<p><b>International Academician Studies Congress in the Fall of 2022, Turkey</b></p> <ol style="list-style-type: none"> <li>1. Perceptions of Malaysian Polytechnics on the Implementation of Lean Manufacturing Practices in Higher Education</li> <li>2. Outcome-Based Education (OBE) for Industrial Internships Education Programs: Insights for Local Private College in Malaysia</li> <li>3. Palm Oil Fruit Blaster: A Case Study of RULA and REBA Analysis</li> </ol> <p>5 November 2022</p>	Osmaniye Korkut Ata University, Turkey
<p><b>2<sup>nd</sup> International Symposium on Teaching &amp; Learning Innovation (ISTLI2022)</b></p> <ol style="list-style-type: none"> <li>1. The Heutagogy Method's Impact on Engineering Drawing Teaching</li> <li>2. Improving Learning Outcomes Through Application of Kahoot for Accounting Course</li> <li>3. Students' Perception on the Implementation of Hyflex Approach in Teaching and Learning</li> <li>4. Enhancing Students' Communication and Practical Skills by Using Real Case Scenario Application</li> <li>5. Factors Influence Students' Satisfaction Using E-Learning During Post Covid 19</li> </ol> <p>4 November 2022</p>	Universiti Teknologi Malaysia, Johor Bahru, Malaysia
<p><b>Malaysia's Perspective Proceeding of International Conference on Ummah 2022</b></p> <p>Gig Economy and Workers in Logistic Industry on Malaysia's Perspective</p> <p>4-5 December 2022</p>	Universiti Malaysia Kelantan, Malaysia
<p><b>International Academic Symposium of Social Science 2022</b></p> <p>Could Lean Practices and Theory Inventive Problem Solving (TRIZ) Improve the Entrepreneurial Ecosystem of Small and Medium-Sized Enterprises?</p> <p>3<sup>rd</sup> July 2022</p>	Universiti Teknologi MARA, Kelantan, Malaysia

<p><b>International Virtual Conference on Business, Finance, Management and Economics (BizFAME2021)</b></p> <p>Relationship between Lean Manufacturing Practices and Sustainability: Mediating Role of Manufacturing Performance.</p> <p><b>14-16 July 2021</b></p>	<p>Universiti Teknologi MARA, Kedah, Malaysia</p>
<p><b>1<sup>st</sup> International Conference on Technical and Vocational Education and Training (IConTVET 2021)</b></p> <ol style="list-style-type: none"> <li>1. Does Lean Manufacturing Practices Fit for Higher Education Implementation: Polytechnic Malaysia Perspective</li> <li>2. Case Study: The Kaizen of Multipurpose Rack Based On Lean Manufacturing Concept.</li> <li>3. COVID-19 Pandemic: Does Polytechnic Internship Performance Affected?</li> <li>4. Innovation: The Impact of IR4.0 on Industrial Training Management.</li> </ol> <p><b>4 February 2021</b></p>	<p>Universiti Malaysia Perlis.</p>
<p><b>International Multidisciplinary Conference (IMC2020)</b></p> <ol style="list-style-type: none"> <li>1. Discover Lean Manufacturing Practices and Manufacturing Performance: Lead to Sustainability.</li> <li>2. <i>Ergonomik: Mesin Pemampat Belacan</i></li> <li>3. <i>Pendekatan Konsep Ulul Albab Di Dalam Buku Motivasi #Notaengineius Menggunakan Teknologi Augmented Reality</i></li> </ol> <p><b>24 March 2020</b></p>	<p>Universiti Malaysia Perlis.</p>
<p><b>International Conference on Humanities, Language, Culture and Business (2nd ICoHLCB)</b></p> <ol style="list-style-type: none"> <li>1. Mediating effect of Manufacturing Performance on Lean Manufacturing Practices and Sustainability: A proposed theoretical framework</li> <li>2. Moderating role of Ethical Climates on Lean Manufacturing Practices and Manufacturing Performance: A proposed conceptual model.</li> </ol> <p><b>22-23 April 2017</b></p>	<p>Hotel De'La Ferns, Cameron Highlands Pahang, Malaysia.</p>
<p><b>International Conference on Social Sciences, Humanities and Technology (ICSHT 2017)</b></p> <p>Lean Manufacturing Practices and Sustainability: Mediates by manufacturing Performance</p> <p><b>2nd – 3rd December 2017</b></p>	<p>Hotel Perdana Kota Bharu, Kelantan Malaysia</p>

<p><b>International Conference on Research in Technical Vocational Education and Training (TVET Studies)</b></p> <p>Relationship between Self-Efficacy, Higher Order Thinking Skill &amp; Academic Performance among Polytechnic Students (ICOR-TVET 2017)</p> <p><b>November 2017</b></p>	<p>Rajamangala University of Technology Thanyaburi (RMUTT), Bangkok, Thailand</p>
<p><b>National Conference on Research and Innovation</b></p> <ol style="list-style-type: none"> <li><i>Punca Pencapaian Course Learning Outcome 5 (Clo5) Kursus AT401 (Latihan Industri) Yang Tidak Mencapai Sasaran Petunjuk Prestasi Utama Di Kalangan Pelajar Program Diploma Pengajian Video Dan Filem (DDV), Politeknik Tuanku Syed Sirajuddin, Perlis</i></li> <li><i>Maklumbalas Pendaftaran Latihan Industri Secara Atas Talian (Online) bagi Pelajar Sesi Jun 2015</i></li> <li><i>Hubungan Antara Efikasi Kendiri Terhadap Pelajar Yang Telah Menjalani Latihan Industri Di PTSS</i></li> </ol> <p><b>September 2016</b></p>	<p>Politeknik Tuanku Syed Sirajuddin, Perlis, Malaysia</p>
<p><b>Conference in Education and Training Vocational Technical (CiE-TVET) 2014)</b></p> <ol style="list-style-type: none"> <li><i>Tahap Penguasaan Matematik Dalam Kursus Kejuruteraan Di Politeknik</i></li> <li><i>Impact of Self-Efficacy and Time Management on the Academic Performance</i></li> <li><i>A Study of Factor Influence Self Efficacy and Relationship to the Academic Performance</i></li> </ol> <p><b>October 2014</b></p>	<p>Politeknik Mersing, Johor, Malaysia</p>
<p><b>Conference in Education and Training Vocational Technical (CiE-TVET) 2013)</b></p> <p>Kajian Keberkesanan Pengajaran dan Pembelajaran Secara Inkuiri dan Simulasi PhET untuk Kursus Engineering Mechanics.</p> <p><b>November 2013</b></p>	<p>Kuala Terengganu.</p>
<p><b>Mastering Innovation Through Creative Innovative Group</b></p> <p><b>27 July 2021</b></p>	<p>Politeknik Tuanku Syed Sirajuddin, Perlis, Malaysia</p>
<p><b>Handbook Scientific Writing Workshop: Covid Pandemic 19- Industrial Training Challenges</b></p> <p><b>24 March 2021</b></p>	<p>Politeknik Tuanku Syed Sirajuddin, Perlis, Malaysia</p>
<p><b>PPK Image Editing in For Teaching and Learning Purposes Series 2</b></p> <p><b>2 May 2021-6 May 2021</b></p>	<p>Department of Polytechnic Education and Community Colleges.</p>

## STATEMENT OF TEACHING INTERESTS |

<b>Workshop On Preparation of Patent and Copyright Application Documents for The State of Perlis 2020</b> <b>3 March 2020- 4 March 202</b>	Hotel Seri Malaysia, Kangar, Perlis, Malaysia
<b>CPCM Course Managing Individual Performance and Potential In TVET</b> <b>2 July 2019- 4 July 2019</b>	Politeknik Tuanku Syed Sirajuddin, Perlis, Malaysia
<b>Mastering Innovation Through Creative Innovative Group</b> <b>8 May 2019</b>	Politeknik Tuanku Syed Sirajuddin, Perlis, Malaysia
<b>Publishing Your Lecture Notes Professionally</b> <b>25 February 2019</b>	Politeknik Tuanku Syed Sirajuddin, Perlis, Malaysia
<b>Interactive Augmented Reality (AR)</b> <b>27 August 2018</b>	Politeknik Tuanku Syed Sirajuddin, Perlis, Malaysia
<b>Research Course Workshop Series 1/2016 Writing and Publication of Journal Articles</b> <b>27 January 2016</b>	Politeknik Tuanku Syed Sirajuddin, Perlis, Malaysia
<b>Research Methodology and SPSS Courses</b> <b>7 June 2015 June 2015</b>	Coral Bay Resort, Perak
<b>Web Portal Development Course (North Zone)</b> <b>7 April 2015 – 9 April 2015</b>	The Regency Hotel, Alor Setar, Kedah, Malaysia
<b>Student Centered Learning In TVET</b> <b>19 Nov 2013 – 22 Nov 2013</b>	Sri Manja Hotel, Kuantan, Pahang, Malaysia
<b>Effective Teaching Delivery: 80/20 Power English for Educators</b> <b>1 Oct 2012 – 19 Oct 2012</b>	Tasoh Lake Resort & Retreat, Arau, Perlis, Malaysia
<b>A practical Approach to Student-Centered Learning (SCL)</b> <b>10 March 2012 – 11 March 2012</b>	Hang Tuah City Hotel, Melaka, Malaysia
<b>Training Course for Saturated Vapor Pressure Apparatus</b> <b>23 May 2012 – 24 May 2012</b>	Politeknik Tuanku Syed Sirajuddin, Perlis, Malaysia
<b>Effective Presentation Skills Course</b> <b>30 May 2011 – 2 June 2011</b>	Adamson Hotel, Kuala Lumpur, Malaysia
<b>English Enhancement Program</b> <b>3 May 2011 – 6 May 2011</b>	Politeknik Tuanku Syed Sirajuddin, Perlis, Malaysia

**RESEARCH GRANT**

<b>Year</b>	<b>Project</b>	<b>Project Duration</b>
2024 (Leader)	(GERAN PENYELIDIKAN AADK) Kebolehlaksanaan Agensi Antidadah Kebangsaan (AADK) Terhadap Kadar Kepulihhan Klien: Analisis Keberkesanan dan Potensi Penambahbaikan	2023-2024 (Active)
2024 (Leader)	(UTM KTP-RIG) Memperkasa Kelestarian Ekonomi Tempatan Melalui Kesedaran Terhadap Pembiayaan Dan Perundingan Perniagaan Dalam Kalangan Penjaja di Skudai "Ket-Lest"	2023-2024 (Active)
2024 (member)	Kajian dan Penyediaan Rangka Tindakan Green and Smart Terminal Blueprint untuk Terminal Larkin Sentral External grant fund by Larkin Sentral Property Berhad ("LSPB")	2024-2026 (Active)
2023 (member)	A Predictive Model of Urban Rail's Operation Cost (Opex) and Maintenance Cost for financial sustainability towards Malaysia Railway.	2023-2026 (Active)
2021 (member)	Developing Hybrid Model of Lean business and Theory Inventive Problem Solving (TRIZ) Towards SMEs Entrepreneurial Ecosystem Improvement.	2021-2023 (Completed)

**AWARDS/ACHIVEMENTS**

2023	3 STAR -Projek Komuniti (Digital Entrepreneur Service Learning Programme)
2023	Gold Award, International Research and Innovation Symposium and Exposition (RISE2023), UTHM, Malaysia (Campus Sustainability: Assessing the Student's Acceptance of University Initiative Approaches Towards Sustainability)
2023	Semi-Grand Award, International Business Innovation and Ideas Competition (INOVASI2023), UNISZA, Malaysia (Formulation of Lean Triz Model for the Improvement of Micro-Businesses)
2023	Gold Award, International Business Innovation and Ideas Competition (INOVASI2023), UNISZA, Malaysia (Formulation of Lean Triz Model for the Improvement of Micro-Businesses)
2023	Silver Award, International Research and Innovation Symposium and Exposition (RISE2023), UTHM, Malaysia (I-PRO Plus Halal Audit Checklist for Halal Warehouse Compliance to MS 2400:2019 Part 2)
2023	Silver Award, International Business and Management Virtual Innovation and Invention of Ideas (VIIC2023) UiTM, Malaysia (Mitigating Covid-19 Challenges for Micro Businesses Integrating Lean Practices and TRIZ Methodology)
2023	Bronze Award, New Academia Learning Innovation (NALI2023), UTM, Malaysia (Integrating Service Learning Pedagogy)
2023	Gold Award, International Symposium on Business & Accounting (ISBAC2023) UTM, Johor Bahru (The Role of Lean Practice in Achieving Environmental, Social, And Governance (ESG))
2023	Gold Award, International Symposium on Business & Accounting (ISBAC2023) UTM, Johor Bahru (Integrating Service-Learning Pedagogy into Project Management Courses to Cultivate 4c's And Quadruple Helix Partnership)
2023	Gold Award, International Symposium on Business & Accounting (ISBAC2023) UTM, Johor Bahru (Conceptualizing Investment Decision Factors: A Comparative Analysis of Shariah and Non-Shariah Choices Among Young Adults)
2023	Special Award, Bangkok International Intellectual Property, Invention, Innovation and Technology Exposition (IPITEX), Thailand (T-HEUGAR)
2022	Champion, KIK (Kumpulan Inovatif dan Kreatif) convention Politeknik Malaysia
2022	Gold Award, 2 <sup>nd</sup> International Symposium on Teaching & Learning Innovation (ISTLI2022) UTM, Johor Bahru ( <i>The Heutagogy Method's Impact on Engineering Drawing Teaching</i> )
2022	Gold Award, 2 <sup>nd</sup> International Symposium on Teaching & Learning Innovation (ISTLI2022) UTM, Johor Bahru ( <i>Improving Learning Outcomes Through Application of Kahoot for Accounting Course</i> )
2022	Gold Award, 2 <sup>nd</sup> International Symposium on Teaching & Learning Innovation (ISTLI2022) UTM, Johor Bahru ( <i>Students' Perception on the Implementation of Hyflex Approach in Teaching and Learning</i> )
2022	Gold Award, 2 <sup>nd</sup> International Symposium on Teaching & Learning Innovation (ISTLI2022) UTM, Johor Bahru ( <i>Enhancing Students' Communication and Practical Skills by Using Real Case Scenario Application</i> )

## STATEMENT OF TEACHING INTERESTS |

2022	Silver Award, 2 <sup>nd</sup> International Symposium on Teaching & Learning Innovation (ISTLI2022) UTM, Johor Bahru ( <i>Factors Influence Students' Satisfaction Using E-Learning During Post Covid 19</i> )
2022	Gold Medal, KIK (Kumpulan Inovatif dan Kreatif) convention Politeknik Malaysia
2022	Best Video Award, Innovation Product Launching and Entrepreneurship (INNOPLEN)
2022	2 <sup>nd</sup> Runner up, Innovation Product Launching and Entrepreneurship (INNOPLEN)
2021	Best Paper Award, International Virtual Conference on Business, Finance, Management and Economics (BizFAME2021) Universiti Teknologi MARA, Cawangan Kedah.
2021	IEEE Communication Society Malaysia Chapter, (IEEE Comsoc) Award Innovative Research, Invention and Application Exhibition (I-RIA) 2021
2021	Champion, Science & Technology Category, Innovation of Perlis State Educational Institutions (PRINTIS 2021)
2021	Gold Award, Asia International Innovation Exhibition (AIINEX2021)
2021	Special Jury Award, KIK Convention Politeknik Malaysia
2021	Gold Award, International Innovation, Creativity and Technology Exhibition (i2Create 2021, UniMAP)
2020	Excellence Service Award, PTSS
2020	Best Innovation Award, Virtual Expo of Innovation Product and System Design (UniMAP)
2020	Gold Medal, Virtual Expo of Innovation Product and System Design (UniMAP)
2020	Gold Award, Asia International Innovation Exhibition (AIINEX2020)
2020	Best Facilitator of Lean Convention @UKM
2020	Champion, Lean Convention @UKM
2020	Gold medal, Lean Convention @UKM
2020	Best Performance, Lean Convention @UKM
2020	Gold Medal, Innovation of Perlis State Educational Institutions (PRINTIS 2020)
2020	1 <sup>st</sup> Runner up in Science & Technology Category, Innovation of Perlis State Educational Institutions (PRINTIS 2020)
2020	2 <sup>nd</sup> Runner up in Teaching & Learning Category, Innovation of Perlis State Educational Institutions (PRINTIS 2020)
2020	Silver Medal, KIK convention Politeknik Malaysia
2019	Excellent Staff Award in Appreciation Ceremony, PTSS
2019	Gold Medal, international Eureka innovation exhibition, MSI UniKL
2019	Champion, Inclusive Innovation Challenge Northern Zone
2019	Gold Medal, Pertandingan Inovasi Pensyarah TVET (PERISA'19), Kolej Komuniti Selayang
2019	Champion, I-Intech, IKBN Kuala Langat
2019	Champion, Inovasi Minggu Sains Negara Peringkat Negeri Perlis
2019	Gold Medal, KIK convention Politeknik Malaysia
2019	2 <sup>nd</sup> Runner up, KIK convention Politeknik Malaysia
2019	Gold Medal, Learning Innovation Competition (PIP), UUM
2019	Gold Medal, International Bujang Valley Innovation, Invention and Design Competition (BVIIEC), UiTM
2019	Best Awards Science & Technology, International Bujang Valley Innovation, Invention and Design Competition (BVIIEC), UiTM
2019	Gold Medal, Innovative Research, Invention and Application Exhibition (I-RIA), UUM
2019	Gold Medal, International Student Affairs Invention, Innovation and Design Competition (I-SAIID) 2019, UiTM Kedah
2019	Gold Medal, Teaching & Learning Innovation Competition (K-Inovasi) UKM
2018	Gold Medal, International Conference and Innovation Exhibition on Global Education (ICEGE2018)(Lukisan Kejuruteraan Berbantuan Teknologi AR)
2018	Gold Medal, National Innovation Competition and Exhibition Blue Ocean Strategy (IDBOS) (Meche Card Games with Augmented reality), Institut Pendidikan Guru, Kampus Darul Aman, Kedah
2018	Gold Medal, National Innovation Competition (Lukisan Kejuruteraan Berbantuan Teknologi AR) Politeknik Tuanku Syed Sirajuddin, Perlis
2018	2 <sup>nd</sup> Runner up (Teaching & Learning), National Innovation Competition (Lukisan Kejuruteraan Berbantuan Teknologi AR) Politeknik Tuanku Syed Sirajuddin, Perlis
2018	Gold Medal, National Innovation Competition (Meche Card Games with AR v2. Politeknik Tuanku Syed Sirajuddin, Perlis
2018	Silver Medal, International Eureka Innovation Exhibition (Meche Card Games with Augmented Reality Technology (AR)Universiti Kuala Lumpur Malaysian Spanish Institute (UniKL MSI)
2018	Gold Medal, Konvensyen KIK (Perlis Tourism through AR)National Level, Kuala Terengganu
2018	1 <sup>st</sup> Runner up, Konvensyen KIK (Perlis Tourism through AR), Politeknik Tuanku Syed



- Sirajuddin, Perlis  
 2016 Excellence Service Award, Department of Polytechnic Education, Ministry of Higher Education, Malaysia  
 2016 Champion, Innovation & Competition, State level (Polyinterns ) Politeknik Tuanku Syed Sirajuddin, Perlis  
 2016 Silver Medal, National Innovation and Invention Competition Through Exhibition (Android application of Polytechnic Malaysia) Politeknik Sultan Abdul Halim Mu'adzam Shah, Kedah  
 2014 2<sup>nd</sup> Runner up, Innovation & Competition (AA-DKM ref book), Politeknik Tuanku Syed Sirajuddin, Perlis  
 2012 1<sup>st</sup> Runner up, Innovation & Competition (i-DKM Programme) Politeknik Tuanku Syed Sirajuddin, Perlis

### JOURNAL ARTICLES AND BOOK

- 2023 Supply Chain Resilience Practices among Halal Food Manufacturers for Business Performance and Sustainability, *Journal of Namibian Studies*, 34 S2(2023): 578-591 (Q2)  
 2023 Factors Contribute to Awareness on Halal Logistics among Muslim Consumers. *International Journal of Academic Research in Business & Social Sciences*, 13(6), 896 – 907.  
 2023 Student Awareness of the Sustainability Approaches of University Initiatives. *International Journal of Academic Research in Business and Social Sciences*, 13(5), 774 – 792.  
 2023 Sustainability and Lean Manufacturing Practices: The Mediating Role of Manufacturing Performance. *International Journal of Academic Research in Business and Social Sciences*, 13(3), 715 – 740  
 2023 Employee Green Behavior at Workplace: A Review and Bibliometric Analysis. *International Journal of Academic Research in Business and Social Sciences*, 13(3), 1679 – 1690  
 2022 Could Lean Practices and Theory Inventive Problem Solving (TRIZ) Improve the Entrepreneurial Ecosystem of Small and Medium-Sized Enterprises? *Proceedings 2022*, 82, 89. <https://doi.org/10.3390/proceedings2022082089>  
 2022 Lukisan Kejuruteraan dan Lukisan Terbantukan Komputer (CAD) 978-967-2258-810 Politeknik Tuanku Syed Sirajuddin  
 2022 Project Writing: Final year project Research 2021  
 2021 Mechanical Engineering (Form 5) KSSM Textbook  
 2021 Pandemik Covid-19: Latihan Industri Politeknik Tuanku Syed Sirajuddin ISBN 978-967-2258-34-6  
 2021 70 FAQ Latihan Industri Politeknik Tuanku Syed Sirajuddin ISBN 978-967-2258-32-2  
 2020 Discover Lean Manufacturing Practices and Manufacturing Performance: Lead to Sustainability. *Proceeding International Multidisciplinary Conference (IMC 2020)*, 101-108  
 2020 Ergonomik: Mesin Pemampat Belacan *Proceeding International Multidisciplinary Conference (IMC 2020)*, 507-518  
 2020 Pendekatan Konsep Ulul Albab Di Dalam Buku Motivasi #Notaengineius Menggunakan Teknologi Augmented Reality. *Proceeding International Multidisciplinary Conference (IMC 2020)*, 193-198  
 2019 Ethical Climates as a moderator on the Relationship between Lean Manufacturing Practices and Manufacturing Performance using PLSSEM. *International Research Journal of Engineering and Technology (IRJET)*, Vol.6: no.05 (2019) page 6740-6750 e-ISSN: 2395-0056  
 2019 Development and Evaluation of Immersive Card Games as Booster Memory in Engineering Science. *IOP Conference Series: Materials Science and Engineering*, Vol. 551: NO. 01 (2019) page 01021  
 2019 Product development of mechanical practice: Augmented reality (AR) approach. *AIP Conference Proceedings 2129 (1)*, 020055 (2019)  
 2019 Potential FOD defects on the composite material. *AIP Conference Proceedings 2129 (1)*, 020056  
 2019 Design and Development Modish Smart Key Box using RFID based on Arduino WEMOS Mega. *International Research Journal of Engineering and Technology (IRJET)*, Vol.6: no.06 (2019)

- page 551-553 e-ISSN: 2395-0056
- 2019 Design and development of fertilizing machines for rows of ginger stocks. *AIP Conference Proceedings 2129, 020054 (2019)*
- 2019 Mechanical Workshop Practice Acquainted Through Augmented Reality (AR).  
*International Research Journal of Engineering and Technology (IRJET), Vol.6: no.04 (2019) page 3891-3895 e-ISSN: 2395-0056*
- 2019 Augmented Reality Technology approach towards Engineering Drawing  
*International Journal of Education, Psychology and Counseling Volume: 4 Issues: 28 [March, 2019] pp.-95-104*
- 2018 The Mediating Role of Manufacturing performance on the Relationship between LMP and Sustainability.  
*Journal of Information System and Technology Management, Vol.3: no7(2018) page 45-54 eISSN:0128-1666*
- 2018 MechE: Impact Penggunaan Kad Permainan Menggunakan Teknologi AR Dalam Pengajaran Dan Pembelajaran  
*Proceedings of 3<sup>rd</sup> International Conference on Education, Islamic Studies Sciences Research (ICEISR 2018: Universitas Negeri Padang)*  
*eISBN : 978-967-14257-3-2*
- 2018 TVET: Revolusi Industri ke-IV  
*ISBN 978-967-15148-8-7*
- 2018 Lukisan Kejuruteraan Berbantuan Teknologi Augmented Reality  
*978-967-16203-2-8*
- 2017 Does Manufacturing Performance mediates on Lean Manufacturing Practices and Sustainability  
*Journal of Humanities, Language, Culture and Business (HLCB) Vol. 1: no. 2 (2017) page 40-49 www.icohlcb.com | eISSN : 01268147*
- 2017 Lean Manufacturing Practices and Manufacturing Performances: The moderating effect of Ethical Climates  
*Journal of Global Business and Social Entrepreneurship (GBSE) Vol. 3: no. 5 (2017) page 189–200 gbse.com.my eISSN 24621714|*
- 2017 Mediating effect of Manufacturing Performance on Lean Manufacturing Practices and Sustainability: A proposed theoretical framework  
*Proceeding: International Conference on Humanities, Language, Culture and Business (2<sup>nd</sup> ICoHLCB) 22-23 April 2017, Hotel De'La Ferns, Cameron Highlands Pahang, Malaysia ISBN: 978-967-14835-1-0*
- 2017 Moderating role of Ethical Climates on Lean Manufacturing Practices and Manufacturing Performance: A proposed conceptual model.  
*Proceeding: International Conference on Humanities, Language, Culture and Business (2<sup>nd</sup> ICoHLCB) 22-23 April 2017, Hotel De'La Ferns, Cameron Highlands Pahang, Malaysia ISBN: 978-967-14835-1-0*
- 2017 Lean Manufacturing Practices and Sustainability: Mediates by manufacturing Performance  
*Proceeding: International Conference on Social Sciences, Humanities and Technology (ICSHT 2017) 2nd – 3rd December 2017, Hotel Perdana Kota Bharu, Kelantan Malaysia ISBN: 978-967-14841-3-5*
- 2017 Relationship between Self-Efficacy, Higher Order Thinking Skill & Academic Performance among Polytechnic Students  
*Advanced Journal of Technical and Vocational Education (Volume 1, No. 3, 2017, Page 36- 40)*
- 2017 Relationship between Self-Efficacy, Higher Order Thinking Skill & Academic Performance among Polytechnic Students (ICOR-TVET 2017: International Conference on Research in Technical Vocational Education and Training (TVET) Studies)  
*Advanced Journal of Technical and Vocational Education, 1 (5):23-27,2017 E\_ ISSN: 2550-2174*
- 2017 Berjaya & Kerjaya  
*ISBN 978-967-14614-5-7*
- 2017 Aku budak Mekanikal  
*ISBN 978-967-14614-4-0*
- 2016 Selangkah ke Alam Kerjaya: Sudah bersedia untuk bekerja?  
*ISBN 978-967-13439-8-2*
- 2015 PTSS Industrial Training Guideline  
*ISBN 978-967-13439-1-3*
- 2014 Factors Affecting Self-Efficacy towards Academic Performance: A Study on Polytechnic Students in Malaysia, *Journal of Advances in Environmental Biology, 8(9) Special 2014, Pages: 695-705*

**INNOVATION**

2023	Bangkok International Intellectual Property, Invention, Innovation and Technology Exposition ( <i>IPITEX</i> ), Thailand
2022	KIK (Kumpulan Inovatif dan Kreatif) convention Politeknik Malaysia
2022	National Innovation Competition and Exhibition (INCEX2022)
2022	Innovation Product Launching and Entrepreneurship (INNOPLEN)
2021	Asia International Innovation Exhibition (AIINEX2021)
2021	International Innovation, Creativity and Technology Exhibition (i2Create 2021, UniMAP)
2021	KIK Convention Politeknik Malaysia
2021	Innovative Research, Invention and Application Exhibition (I-RIA) 2021
2021	Innovation of Perlis State Educational Institutions (PRINTIS)
2021	Innovation of Low Touch High Impact (LOTHI)
2020	Virtual Expo of Innovation Product and System Design (UniMAP)
2020	Lean Convention Universiti Kebangsaan Malaysia
2020	Innovation of Perlis State Educational Institutions (PRINTIS)
2020	KIK Convention Politeknik Malaysia
2019	International Eureka innovation exhibition, MSI UniKL
2019	Inclusive Innovation Challenge Northern Zone
2019	Pertandingan Inovasi Pensyarah TVET (PERISA'19), Kolej Komuniti Selayang
2019	I-Intech, IKBN Kuala Langat
2019	Inovasi Minggu Sains Negara Peringkat Negeri Perlis
2019	KIK convention Politeknik Malaysia
2019	Learning Innovation Competition (PIP), UUM
2019	International Bujang Valley Innovation, Invention and Design Competition (BVIIEC), UiTM
2019	Innovative Research, Invention and Application Exhibition (I-RIA), UUM
2019	International Student Affairs Invention, Innovation and Design Competition (I-SAIID) 2019, UiTM Kedah
2019	Teaching & Learning Innovation Competition (K-Inovasi) UKM
2018	International Conference and Innovation Exhibition on Global Education (ICEGE2018) Universiti Utara Malaysia
2018	International Eureka Innovation Exhibition with the title "Meche Card Games with Augmented Reality Technology" Universiti Kuala Lumpur Malaysian Spanish Institute (UniKL MSI)
2018	National Innovation Competition Teaching & Learning category with the title "Lukisan Kejuruteraan Berbantuan Teknologi AR), Politeknik Tuanku Syed Sirajuddin, Perlis
2018	National Innovation Competition Teaching & Learning category with the title "Meche Card Games with Augmented Reality Technology v2.) Politeknik Tuanku Syed Sirajuddin, Perlis
2017	National Innovation Competition process category with the title "Polytechnic Interns guidelines"
2016	Perlis state-level innovation competition process category with the title "Poly interns"
2016	Participated in the National i-compex innovation competition with the title "android application of polytechnic Malaysia"
2015	Participated PTSS innovation competition with the title "system e-semak"
2014	Participated PTSS level innovation competition with the title "e-polytechnic Malaysia"
2014	Participated in PTSS level innovation competition with the title " Borang biodata pelajar kursus AT401 latihan industri PTSS sesi Disember 2014 "
2014	Participated in PTSS level innovation category of P & P with the title "AA-DKM ref book"
2012	Participated in PTSS innovation competition –process category with the title "i-DKM program"
2012	KIK convention Politeknik Malaysia

Professional Affiliation	: Board of Engineers Malaysia/ Malaysia Board of Technologist/ Green Belt (Lean Sig Sigma)/ Construction Industry Development Board (CIDB Malaysia- Construction Trainer/Lecturer (LLT4)/ Malaysia Research and Innovation Society (MyRIS)/ Malaysian Technical Doctorate Association
Statistical Application	: SmartPLS (Partial Least Squares) SPSS (Statistical Package of Social Sciences)
Software	: Inventor/ AutoCAD/Adobe Photoshop
Interest	: Lean Manufacturing, Lean Management, Supply Chain, Engineering Management, Technology Management Industrial Engineering, Manufacturing Management, Operations Management and Project Management.

### CANDIDATE OUTLINE

Dr. Mohd Zulfabli Hasan is currently a Senior lecturer in department of Management and Technology, Faculty of Management at Universiti Teknologi Malaysia (UTM). He is theoretically and practically admirable in Operations Management/Engineering Management, specifically in Lean Management. He has industry experience as a project executive who needs to be involved with the production line and project improvement makes him able to enter the field of education and can provide exposure to students regarding the way of work and real industry knowledge.

Additionally, he is able to work independently or in a team with a little supervision. Besides that, he is a self-starter, detail-oriented, result driven and highly motivated person. Dr. Mohd Zulfabli Hasan has 13 years of teaching experience, and despite the short deadline, he is highly dedicated and capable of working under pressure. For example, he successfully manages more than 2000 final year students each year to undergo industrial training and at the same time he is able to supervise final year projects among Mechanical engineering students. Moreover, he also has high professional and ethical standards.

In Polytechnic Tuanku Syed Sirajuddin in Perlis, Malaysia, he began his first profession in education. After 12 years, he moved to Malaysia's University Teknologi (UTM) in Johor to advance his profession. At the moment, he teaches students in Supply Chain, Operations Management, and Project Management. As an academician, he loves sharing knowledge and information with his students. Moreover, he also involved in research and development activities. He enthusiastically explores new knowledge and ideas in fulfilling the current industry needs. As a former Project Executive in the industry, he could work as an individual and in a team very well. He believed that teamwork is a good strategic weapon in an organization.

His past experiences in the industry, together with academic qualifications made him as an excellent lecturer that bring together classroom theory and real life pragmatic experience has greatly benefited his students in the past.

### REFERENCES

- 1. Ts. Nadzri Bin Che Kamis**  
 Deputy Academic Director of Politeknik Tuanku Syed Sirajuddin  
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- 3. Ts. Dr. Choong Chee Guan**  
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## STATEMENT OF TEACHING INTEREST

### Teaching Philosophy

As I reflect back on my professional career history, I can claim that I am one of the fortunate people, and not once have I regretted selecting being an academician professionally to this date. I have started my professional life as Project Executive in industry. Hit the office in the early morning, enter the production line, morning briefing, checking email, attended regular meeting with suppliers and customers. All of these activities were like bread and butter in my life. I treated the entire production line like my baby. Every day, my activities were exactly the same.

In order to find a satisfying and successful career path, I started to think about my life now and hereafter. I'm aspiring a job that allows me to share my knowledge and experiences. It gives values to my life. There are many other career paths that are promising enriching and rewarding, but I resolve my career turning from manufacturing organization to become an academician.

Being an academician has been the best in my investment ever. Perhaps, if I am still a Project Executive in the industry, it will satisfy me if I managed to complete varies of projects in a year. But being an academician, it compromises more. Every year, I am excited to see more than hundreds of students with different religious, ethnic and background graduate and attempted to secure a good career in their life.

In order to find a satisfying and successful career path, I am keen to discover the learning behavior of my students with experimenting new approach with my teaching style technique. I urge them to embrace critical and independent thought, a kind of intellectual responsibility, by engaging deeply with texts and then respecting and analyzing their personal reactions to them. To that end, I will try to emphasize critical thinking, creativity, collaborations and communication skills in addition to the problem-solving skills that will make them experts in a subject. Furthermore, I have documented all the process and finding in my research paper and share my experience and knowledge with other academician in this industry. These experiences gave me my first flavor of real research and strengthened my resolve to become a versatile academician.

As my career progressed over the years, I look forward for my career enhancement in the innovation perspective. Other than delivering lectures in my institutions, I am actively involved with the innovation project that bring me to participate in various competitions either locally or internationally. Interestingly, I have managed to be recognized not only nationally, but also internationally and even to the Asian level. Each competition that I have participated has their own challenges and the experience I gained during this competition was invaluable and will last for a lifetime. Sometimes, it captivated my interests and gave me the opportunity to discover new things and challenge myself more than ever.

### Teaching Interests

To me, teaching is not just a way to impart knowledge, but can also be employed as a method to foster interest in subjects. Personally, I experienced many great moments while teaching. Within these years involving in academic industry, I have experienced in teaching of various modules.

Based on my own academic background and my careful study of the current course settings, my major teaching interest is Lean Management, Supply Chain management, Operations Management Lean Manufacturing, Industrial Engineering, and Manufacturing Management. Nevertheless, I am also keen to teach any subject that related to management such as Project Management, Quality Management, Industrial Management, Technology Management, Engineering Management, Research Methodology and other related.

### Conclusion

I started my career as a professional in the Manufacturing industry but I am enjoying the teaching opportunities which where I reside now and looking forward to keep teaching as part of my academic career. I considered to have a vast experience in academic field and still determine to develop my career and encouraged to further success in this field. I am sure that I am suited the need of your faculty. I am taking this opportunity to emphasize that I am highly motivated to impart my skills, knowledge and experience to a wider audience in order to obtain a high level of self- satisfaction and achievement. An opportunity to be a part of the lecturing team in your university will be a major step towards fulfilling this life-long ambition.

**STATEMENT OF RESEARCH INTEREST****Research Approach**

As a researcher, I treat research as an offer of pleasing and exciting opportunity to explore an issue in real depth. As education is a green area, further discovering the practicality of fundamental of education is necessary as underpinning toward its implementation. I am particularly interested in exploring strategy especially on lean manufacturing management and operations management. I believe each student deserves an education tailored to his or her strengths and needs. Therefore, it leads to thorough preparation, a continuous research desire to improve teaching skills, and an intense delight in evaluating students learning behavior.

Other than applied education, I am also keen in exploring the research on the industrial management, supply chain, engineering management and managerial issues in manufacturing industry. To me, innovation requires regular exploration to reassess the way things are done and to find new and better ways of achieving superior results. It involves great interest as it will give significant impact in the industri.