



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

## CURRICULUM VITAE



### PERSONAL DETAILS

**Name** : Associate Professor Ts. Dr. Mohd Yusof bin Md Daud

**Gender** : Male

**Date of Birth** : 13 October 1972

**Nationality** : Malaysia

**Marital Status** : Married

**Address** : 56 Jalan Nakhoda Kiri C/1, Kampung Nakhoda, 68100 Batu  
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**Website** : <http://people.utm.my/yusof/>

**ID Staff** : 7393

**Expertise** : Material and Manufacturing, Ultrasonic Vibration, Finite  
Element Modelling, Ergonomics, Project Management,  
Operation Management, Supply Chain Management (SCM),  
OSH Management.

## ACADEMIC QUALIFICATIONS

NO	LEVEL OF EDUCATION	COURSE	UNIVERSITY	STARTING DATE	ENDING DATE
	Ph.D.	Ultrasonic Metal Forming	University of Glasgow	2002	2006
	M.Sc.	Materials Engineering	Universiti Sains Malaysia	1999	2000
	B. Eng.	Mechanical	Universiti Sains Malaysia	1992	1996

## AWARD AND HONORS RECEIVED

NO	AWARD	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	YEAR
1	Award of Excellent in Active Bended Learning, "SMJP 2113 Manufacturing Process"	UTM	2019/2020
2	Best Teaching Lecturer	Faculty	2018
3	Award of Excellent in Active Bended Learning, "MRSE 1513 Operations Strategy and Management"	UTM	2017/2018
4	Gold Medal, UTM Razak School Poster Day, "Ultrasonic Horn for Metal Tube Forming"	Faculty	March 2017
5	Appreciation of Participant, INATEX 2017 "Tank Jacking Structure for Crude oil Refinery"	UTM	November 2017
6	Award of Excellent in Active Bended Learning, "ERSA 1213 Supply Chain Management"	UTM	2016/2017
7	Excellent Service Award UTM 2013	UTM	2013
8	Best Paper Award, "Multiple performance optimization for the best metal injection molding (MINM) green compact.", International Conference on Plant Equipment and Reliability (ICPER2010), Kuala Lumpur, Malaysia	International	2010
9	Excellent Service Award UTM 2008	UTM	2008
10	SLAB/UTM Scholarship for PhD Study	UTM / National	2002-2006
11	SLAB/UTM scholarship for Master Study	UTM / National	1999-2000

## PROFESSIONAL MEMBERSHIP / QUALIFICATIONS / RECOGNITION

NO	NAME OF PROFESIONAL MEMBERSHIP	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	ROLE	YEAR
1	Professional Technologist (P. Tech.)	Malaysia	Professional Member	2018
2	Project Management Institute (PMI)	International	Member	2018
3	Institute of Electrical and Electronics Engineers (IEEE)	International	Member	2018
4	Institution of Engineers Malaysia (IEM)	Malaysia	Graduate Member	2016
5	Board of Engineers Malaysia	Malaysia	Graduate Member	2007

## ADMINISTRATIVE EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT
1	Programme Coordinator for Executive Master in Occupational Safety and Health Management (EMOSHM)	1 May 2017	Now	Razak Faculty of Technology and Informatics, UTM
2	Board of Study Advisor and Academic Evaluation Panel	9 May 2013	31 Dec 2019	Kolej Yayasan Pelajaran Johor (KYPJ)
3	Head Mechanical Engineering Panel	1 Oct 2012	30 Sept 2014	UTM Razak School
4	Head of Mechanical Engineering Department	1 May 2010	30 Sept 2012	UTM Razak School
5	Head of Joint Programme Department	1 Feb 2008	30 April 2010	College of Science and Technology, UTM Kuala Lumpur
6	Head of Panel Manufacturing and Industry	2007	2010	College of Science and Technology, UTM Kuala Lumpur
7	Head of Production Workshop and FMS Laboratory	2007	2008	College of Science and Technology, UTM Kuala Lumpur
8	Head of Manufacturing Laboratory	2000	2002	College of Science and Technology, UTM Kuala Lumpur
9	Coordinator for UTM SPACE Programme	1999	2002	College of Science and Technology, UTM Kuala Lumpur
10	Head of Thermodynamic Laboratory	1998	1999	Diploma Study Programme (PPD), UTM Kuala Lumpur
11	Coordinator for Industrial Training	1997	1999	Diploma Study Programme (PPD), UTM Kuala Lumpur

## WORKING EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ORGANISATION
1	Associate Professor	24 Jan 2021	Now	Razak Faculty of Technology and Informatics, UTM Kuala Lumpur
2	APEL Candidate Examiner	2018	Now	MQA / Universiti Teknologi Malaysia, Kuala Lumpur
3	Co Supervisor PhD	2018	Now	Universiti Kebangsaan Malaysia
4	Visiting Lecturer	Mac 2018	May 2018	SAFAT Academy Khartoum Sudan
5	Part Time Trainer	2016	Now	KLIA Professional & Management Collage
6	Visiting Lecturer	1 April 2014	Now	Graduate School of Business Administration, Meiji University, Japan
7	Evaluation panel / Supervisor	2011	2012	Warwick Manufacturing Group, University of Warwick
8	Part Time Lecturer	2008	2012	Universiti Pertahanan Nasional Malaysia
9	Senior Lecturer (DS52)	13 Feb 2008	Now	Universiti Teknologi Malaysia, Kuala Lumpur
10	Lecturer (DS45)	27 July 2000	12 Feb 2008	Universiti Teknologi Malaysia, Kuala Lumpur
11	Part Time Lecturer	1998	Now	UTM SPACE
12	Tutor	4 Aug 1997	26 July 2000	Universiti Teknologi Malaysia, Kuala Lumpur.
13	Engineer	2 May 1996	31 July 1997	Production Department, PROTON Sdn. Berhad.

## CONSULTANCY EXPERIENCE

NO	NAME OF CONSULTANCY	ROLE	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	Analysis of Beach Profile Hydrodynamic Changes on The Beach Protection And Innovation Structure	Member	40,000	1 Aug 2020	30 Nov 2020	4C375
2	Development of Technopreneurship Readiness Profiling Tool for Industry 4.0-MTDC	Member	200,000	3 Sep 2018	30 Aug 2019	UTM Spin Off (RESPECT SDN BHD)
3	Oil Palm Fruit Loading using Automatic Loader	Member	47,200	20 Aug 2017	14 dec 2018	4L425
4	Trenchless Pipeline Rehabilitation Using RTP for Mechanical and Piping Installation Works	Member	50,001	1 Oct 2019	30 sep 2021	4C295
5	SROI:Sustainability of Micro Hydro Cross-Flow Turbine Future and Development in Royal Belum	Member	4,000	30 Sep 2018	23 Mar 2019	4Y138
6	Context-Specific Information Delivery for Building Maintenance of Institution of Higher Education in Malaysia	Member	198,440	15 Dec 2012	31 Mar 2016	4B086
7	Analysis of Beach Profile Hydrodynamic Changes on The Beach Protection And Innovation Structure	Member	40,000	1 Aug 2020	30 Nov 2020	4C375
8	Kajian Pembangunan prototaip Sistem Perlindungan Hakisan Nexcom Nahrin	Member	50,096	1 Sep 2018	31 Dec 2018	UTM Spin Off (ARUS INFINITI SDN BHD)
9	Research-Based Foundation for Sustainable Agriculture Entrepreneurship ("SMART RURAL"). MOA UTM-KETENGAH.  Research Topic: Sistem kejuruteraan Reban	Member  Leader	500,000  35,000 out 500,000	April 2017	Feb 2019 (Extend)	UTM Spin Off (GTIM SDN BHD)
10	Voith Paper Fabric Malaysia Sdn Bhd	Project Leader Investigator Development New Blue Sky Project	-	April 2017	February 2018	Not Register
11	Petron Tank Structural Simulation and Technical Analysis Report	Project Leader	20,000	1 <sup>st</sup> July 2016	1 <sup>st</sup> September 2016	UTM Spin Off (AROMA SDN BHD)

## FACULTY APPOINTMENT COMMITTEE

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Task Force for Business Model EMOSHM	Task Force Member	15 Feb 2021	15 Mar 2021
2	Task Force for Faculty Graduation Ceremony	Task Force Member	26 Jan 2021	28 Feb 2021
3	Task Force for Curriculum Review for EDEBM Programme	Task Force Member	15 Jan 2021	31 Dec 2021
4	Task Force for Curriculum Review for EDGE Programme	Task Force Member	October 2020	Now
5	Task Force for Academic Quality Award	Task Force Member	17 Feb 2020	31 Dec 2020
6	Task Force for RFTI-KTRC MoA Evaluation	Task Force Member	October 2020	31 Dec 2020
7	International Conference of Advanced Research on Occupational Safety, Health and Environment (AROSHE2021)	Technical Programme Chair	2019	Now
8	Task Force for EMOSHM Curriculum Review Curriculum	Task Force Leader	2019	2020
9	Badan Kebajikan Razak Faculty	Head of Bureau	Sep 2020	Now
10	OSH Committee at Razak Faculty	Committee Member	1 July 2018	Now
11	Task Force Strategic Planning Faculty	Committee Member	15 Nov 2018	2019
12	Committee for Politeknik Lecturer Post Graduate Programme	Committee Member	1 Sep 2018	2019
13	Staff Wellness Committee	Committee Member	2 Jan 2017	2019
14	Task Force "Audit Pengekalan Swaakreditasi"	Committee Member	1 Oct 2018	25 Oct 2018
15	Task Force MoA UTM-PERTAMINA	Committee Member	22 Sep 2017	2018
16	Evaluation UTM Razak School Grant Committee	Committee Member	2017	2018
17	Faculty Academic Committee (Razak School)	Committee Member	2017	2019
18	Marketing Committee	Committee Member	2017	2019
19	Audit Course File for EMOSHM Programme	Auditor	1 Mar 2017	28 Feb 2019
20	MQA document preparation for MQA Accreditation Audit at UTM Razak School (Master and Executive Diploma Programmes)	Committee member	2011	2012
21	Master Programme Development (MSc in Maintenance Engineering)	Committee member	2011	2014
22	Technical Evaluator Committee (Razak School)	Committee member	April 2011	Dec 2012
23	UTM Razak School Training Provider Auditor	Auditor	2010	Now
24	Faculty Administration Committee (JKP)	Committee Member	2010	2012
25	Post-Graduate Study	Committee Member	2010	2012
26	Faculty Academic Committee (JKA)	Committee Member	2010	2012
27	Razak School Graduation Ceremony Committee	Deputy Head Bureau	2010	2011
28	Faculty Academic Committee (College of Science and technology UTM)	Committee Member	2008	2010
29	Faculty Administration Committee (College of Science and technology UTM)	Committee Member	2008	2010

30	Author and Examiner for Staff Competency Examination (PTK), (College of Science and technology UTM)	Examiner	2008	2010
31	Diploma of Mechanical Technology (Automotive, Military Automotive and Manufacturing)	Course Coordinator	2008	2010
32	Review Curriculum Development for Diploma of Mechanical Engineering and Diploma of Mechanical Engineering (Aeronautic) – UTM/KTU	Committee Member	2008	2009
33	Committee for Post Graduate Programme at College of Science and Technology UTM	Committee Member	26 Mar 2008	25 Mar 2010
34	Industrial Training Committee at College of Science and Technology UTM	Committee Member	14 Jan 2008	13 Jan 2010
35	Committee of Publication at College of Science and Technology UTM	Committee Member	1 Dec 2008	30 Apr 2009
36	Head of Industrial Panel at College of Science and Technology UTM	Head of Panel	2007	2008
37	Committee for Manufacturing Bachelor Degree Program at College of Science and Technology UTM	Committee Member	7 Jan 2008	6 Jan 2008
38	Academic Guideline Book for College of Science and Technology UTM	Committee Member	1 Jan 2007	31 Dec 2008
39	Committee for MQA Accreditation at College of Science and Technology UTM	Committee Member	2007	2009

## UNIVERSITY APPOINTMENT COMMITTEE

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Ahli Pakar Rujuk Ergonomik OSHE UTM Kuala Lumpur	Pakar Rujuk	1 Nov 2020	31 Dec 2022
2	Jawatankuasa Keboleh Pasaran Graduan Universiti (Race GE2020)	Committee Member	1 Jun 2020	31 May 2021
3	Auditor OSH (AKKP)	Auditor	2019	2020
4	UPMU Tender and Quotation	Committee Member of Technical Specification	2017	2019
5	MJIIT Tender, UTM	Committee Member of Technical Specification	2014	2018
6	Research University Grant Reviewer Panel	Reviewer	2010	Now
7	Malaysia-Japan International Institute of Technology, UTM	Pro-Tem MJIIT	2010	2011
8	Practising 5S in UTM Kuala Lumpur Committee	Auditor	2006	2008

## NATIONAL APPOINTMENT COMMITTEE

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Development of "Industry 4.0 Production Line Standard", SIRIM	Taskforce Member	November 2017	2018
2	Mechanical Engineering (Design), Kolej Yayasan Pelajaran Johor (KYPJ)	Evaluation Panel for Diploma	August 2017	2018

3	Kolej Yayasan Pelajaran Johor	Board of Study	2013	2019
4	Ministry of Higher Education and UTMSPACE	Curriculum Development Panel for Community College	2011	2012
5	JPA Recognition, Diploma of Mechanical Engineering (Material and Textile), Politeknik Pasir Gudang and Politeknik Seberang Perai, Malaysia Public Service Department (JPA)	Ad-Hoc Academic Programme Evaluation Panel	2011	2012

## INTERNATIONAL APPOINTMENT COMMITTEE

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Graduate School of Business Administration, Meiji University, Japan	Visiting Lecturer Evaluation Panel	2014	Now
2	International Conference on Advances in Materials & Processing Technologies, (AMPT2011), Istanbul	Session Chair	2011	2011
3	Manufacturing Group, University of Warwick	Evaluation Panel for Master dissertation	2009	2012
4	Malaysia-Japan International Symposium on Advanced Technology (MJISAT 2007)	Committee Member	2007	2007

## SELECTED ACTIVITIES / WORKSHOPS / SEMINARS / COURSES

NO	NAME OF ACTIVITIES	PLACE OF ACTIVITIES	STARTING DATE	ENDING DATE
1	Constructive Alignment Workshop	UTM Kuala Lumpur	Sep 2020	Sep 2020
2	Training in Manufacturing Process and Technology	Proton Sdn Bhd	9 Nov 2020	10 Nov 2020
3	APEL Quality Evaluation Workshop	UTM Kuala Lumpur	19 Apr 2019	19 Apr 2019
4	OSH Management System: ISO 45001:2018 Internal Auditor	NIOSH Kuala Lumpur	26 Feb 2019	27 Feb 2019
5	Economic Partnership Programme (EPP) – End of Life Vehicle (ELV)	Ishikawa, Japan	14 Oct 2018	3 Nov 2018
6	Razak Faculty Strategic Planning	Port Dickson	2018	2018
7	Short Course Lecture KLIA Professional & Management College	KLIA Professional & Management College, Sepang	April 2017	April 2017
8	Altair HyperWorks Training	Malaysia Automotive Institute Cyberjaya	25 Jul 2016	29 Jul 2016
9	Book Chapters Workshop	UTM Kuala Lumpur	4 Dec 2016	4 Dec 2016
10	International Conference on Mechanical and Manufacturing Engineering 2015 (ICME 2015)	UTHM Batu Pahat Johor	August 2015	August 2015
11	Seminar on Principles and Applications of Scanning Probe Microscope	UTM Kuala Lumpur	27 May 2015	27 May 2015
12	A Short Course on Basics of Machinery Vibration Analysis	UTM Kuala Lumpur	10 Apr 2014	10 Apr 2014
13	4th Mechanical and Manufacturing Engineering (ICME 2013)	Bangi-Putrajaya	17 Dec 2013	18 Dec 2013
14	Bengkel Penilaian Semula Program Siswazah Razak School		18 Aug 2013	20 Aug 2013
15	Wacana Pembangunan Penyeliaan Siawazah	UTM Kuala Lumpur	26 Jun 2013	27 Jun 2013
16	Bengkel CRR Online	UTM Kuala Lumpur	10 Jun 2013	10 Jun 2013

17	TRIZ Practitioner Certificate Level 2	Cyberjaya	23 April 2013	23 April 2013
18	TRIZ Practitioner Certificate Level 1	UTM Kuala Lumpur	5 Feb 2013	5 Feb 2013
19	International of Mechanical & Manufacturing Engineering (ICME 2012)	Johor	20 Nov 2012	21 Nov 2012
20	Kursus Pembangunan Blog bagi Tujuan P&P	UTM Skudai	28 Mar 2012	28 Mar 2012
21	Advanced Processes and Systems in Manufacturing (APSIM 2011)	Kuala Lumpur	2011	2011
22	IEM Essential Project Management Course	IEM Petaling Jaya	7 Sep 2011	8 Sep 2011
23	14th International Conference on Advances in Materials and Processing Technologies (AMPT 2011)	Istanbul	2011	2011
24	Talk on OBE awareness for Mechanical Engineering (Industry) Degree Student	Razak School, UTM Kuala Lumpur	Mar 2011	Mar 2011
25	Training of Trainers dan OBE Program EMOSHM	KLIA Sepang	28 Jan 2011	30 Jan 2011
26	Lecture on EDGE Programme	Razak Faculty / Training Provider	2011	Now
27	Bengkel Penerbitan Jurnal	Melaka	17 Dec 2013	19 Dec 2013
28	Kursus Pentadbir Akademik	Melaka	3 Oct 2010	7 Oct 2010
29	4th Malaysian Powder Metallurgy & Malaysian Metallurgical Conference 2010 (MMC 2010)	Penang	22 Nov 2010	23 Nov 2010
30	International Conference on Plant Equipment and Reliability (ICPER 2010)	Kuala Lumpur	15 Jun 2010	17 Jun 2010
31	EDGE Diploma Project Supervision	Razak Faculty / Training Provider	2010	Now
32	Bengkel Transformasi UTMSpace, KST, UPPK	Johor Bahru	13 Nov 2009	15 Nov 2009
33	Kursus Dynamic Leadership	Melaka	12 Oct 2009	14 Oct 2009
34	Kursus Kaedah Penyeliaan & Penilaian Pengajian Siswazah	UTM Kuala Lumpur	28 Aug 2009	28 Aug 2009
35	The Malaysian Science and Technology Congress 2008 (COSTAM 2008)	Kuala Lumpur	16 Dec 2008	17 Dec 2008
36	UTM Kuala Lumpur Strategic Planning	Port Dickson	29 Apr 2008	1 May 2008
37	Facilitator for Motivation Workshop for TLDM Student	Melaka	2008	2008
38	Bengkel Audit Dalaman Sistem 5S	Kuala Lumpur	10 Sep 2007	11 Sep 2007
39	Autodesk Inventor 2008 Essentials	UTM Kuala Lumpur	22 Aug 2007	25 Aug 2007
40	Kursus Pembelajaran Dewasa	UTM Kuala Lumpur	2 Aug 2007	2 Aug 2007
41	World Engineering Congress	Kuala Lumpur	5 Aug 2007	9 Aug 2007
42	Panel of Forum "so... do you plan to do a PhD"	UTM Kuala Lumpur	21 Mar 2007	21 Mar 2007
43	Kursus Pengajaran Menggunakan E Learning	UTM Kuala Lumpur	21 Dec 2006	22 Dec 2006
44	World Congress in Ultrasonic Merged with Ultrasonics International (WCU 2005)	Beijing	August 2005	Sep 2005
45	Kursus Biro Tatanegara	Melaka	14 Aug 2002	18 Aug 2002
46	Motivasi ke Arah Kecemerlangan Diri	Selangor	1 May 2002	3 May 2002
47	Bengkel Penulisan Karya Asli	Port Dickson	2 Jul 2001	5 Jul 2001
48	Kursus Induksi	UTM Skudai	21 Nov 2000	25 Nov 2000
49	Project Management and Control	UTM Kuala Lumpur	2 Aug 2000	4 Aug 2000
50	Kursus Pengajaran Pembelajaran Pensyarah Baru	UTM Kuala Lumpur	13 May 1998	15 May 1998
51	Kursus Kaedah Penyelidikan	UTM Skudai	16 Mar 1998	18 Apr 1998
52	OSH – Construction Safety	Proton Shah Alam	29 Aug 1996	29 Aug 1996

## RESEARCH GRANT EVALUATION PANEL / REVIEWER

DATE	PROJECT NAME	FUNDER
2019	Fatigue Investigation On Developed Aluminum Alloy With Excess Magnesium For Automotive Applications	GUP
2019	Design And Development Of Hybrid Bio-Nanocomposites Filament For Fused Deposition Modeling (Fdm) 3d Printing	GUP
2018	Low Cycle Fatigue Life Evaluation Of Thin Walled Bend Pipe Under Seismic Load Condition	GUP
2017	A Modified Gapped Smoothing Method For Detecting Horizontal And Vertical Crack	GUP



2017	Risk Assessment Frameworks Of Handling And Storage Of Cargo At Malaysia Ports.	GUP
2016	The Effect Of A Bluff Body On Air-Core Vortex Formation Inside Draining Tank	GUP
2016	Fabrication Of Kekabu (Ceiba Pentandra) Fibre Loaded With Silver Nanoparticles By Green Method For Medical Application.	GUP
2012	Surface Orientation Control of Pits Formed in Si(100) during SiC Epitaxial Growth on Simox Substrates Utilizing CVD Jet Pulse for Nanopore Application	MJIT

## RESEARCH ACTIVITIES

NO	NAME OF GRANT	ROLE	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	Data Quality Management (DQM) System Framework	Principle Investigator	RUG	15,000	01/10/2019	28/02/2021	18J24
2	Modelling of interface particle bonding on End of Life (EoL) vehicle parts substrate using HVOF thermal spray coating	Principle Investigator	RUG	20,000	01/07/2017	30/09/2018	14J05
3	Research-Based Foundation for Sustainable Agriculture Entrepreneurship ("SMART RURAL"), KETENGAH, Total Budget: RM500,000 (Stated in UTM – KETENGAH MoA) Sub Project: Sistem Kejuteraan Reban	Project Leader	BE	35,000	01/04/2017	30/06/2018	UTM Spin Off (GTIM SDN BHD)
4	Kinesthetic Approach to Validate Work Movement Task Analysis Observational Tool	Principle Investigator	RUG	20,000	01/05/2015	31/07/2016	10J96
5	Design of Ultrasonic Horn for Powder Metal Compaction	Principle Investigator	Razak School Grant	50,000	15/05/2011	14/05/2013	4B028
6	Simulation of Static and Ultrasonic Compression	Principle Investigator	Short Term	90,000	01/05/2010	30/11/2011	3T157
7	Box-Behnken Design: An Approach to Optimize Three Simultaneous Effects on PLA Bio-Based Composite Filament for Additive Manufacturing	Member	FRGS	96,000	01/11/2020	31/10/2022	5F347
8	Energy Storage C UTM-TDR24.1(T1):Condition Monitoring System for SMART-ENERGY Module	Member	UTM Transdisciplinary Research Grant	73,000	1/12/2018	31/05/2022	05G82
9	Oil Palm Fruit Loading using Automatic Loader	Member	PPRN	47,000	20/08/2017	20/05/2018	4L425
10	Virtual Reality Concept for Project Manager's Competency Enhancement	Member	FRGS	102,184	15/08/2017	14/08/2020	4F951

11	Safety Security Management Plan to Curb Football Fans Hooliganism at Stadium	Member	Razak School Fund	32,000	01/08/2017	31/07/2019	4J297
12	Investigate of Sustainability Hybrid Renewable Energy System: Ocean Current Turbine & Solar Power System Electrification on One Fathom Bank Malaysia	Member	RUG	40,000	01/07/2017	30/06/2019	17H56
13	Fundamental Development of Low Cost Highly Efficient Solar Photovoltaic System via Mathematical Simulation of Newly Designed Solar Concentrator	Member	RUG	40,000	01/07/2017	30/06/2019	16H95
14	Mercerisation Treatment Enhancement of Kenaf Fiber/Polypropylene Composites using Box-Behnken Design	Member	FRGS	88,000	01/08/2016	31/07/2018	4F880
15	Theoretical Model of Core Acquisitions for Durable Products Return	Member	FRGS	82,000	01/08/2016	31/07/2018	4F819
16	Improvement of Changeover Times Through Integrating of SMED Method with QFD Techniques for Semiconductor Industry	Member	RUG	40,000	01/10/2016	30/09/2018	15H70
17	Enhancement of Mahalanobis Taguchi System Based on Swarm Intelligence for Multivariate Pattern Recognition	Member	RUG	40,000	01/10/2016	30/09/2018	15H43
18	Feasibility Study Aiming at Identifying the Potential Opportunities of Developing a Pioneer Underwater Ocean, Turbines Power Plant on The One Fathom Bank	Member	GUP	40,000	01/10/2016	30/09/2018	15H31
19	Membangunkan Mikro Turbin Banki Secara Lestari bagi Mempertingkatkan Taraf Hidup serta Eko-Pelancongan di Kampung Sungai Tiang, Taman Negeri Royal Belum	Member	CCIN	100,000	06/04/2016	05/04/2017	4L192
20	Indentation Response of Kenaf/Polypropylene Corrugated Sandwich Structures Subjected to	Member	RUG	20,000	01/05/2015	30/07/2016	11J01

	Quasi-Static and Dynamic Loading						
21	Characterization of Mahalanobis-Taguchi System and Bees Algorithm for Diagnosis and Forecasting in Multidimensional System	Member	FRGS	52,000	01/07/2014	31/12/2015	4F535
22	Low Velocity Impact Response of Kenaf/Epoxy Corrugated Sandwich Structures	Member	PAS	20,000	01/11/2014	31/12/2015	01K15
23	Development of New Lapping Technology for Aspherical Lens Mold Using CNC Machine	Member	RUG	49,500	01/04/2014	31/03/2015	09J99
24	Complex Engineering System Maintenance with Sensor Fusion Algorithm	Member	RUG	50,000	01/04/2014	31/03/2016	06H51
25	Adaptation of Dempster-Shafer Evidence Theory for Reliability and Safety Enhancement of Aging Oil Rig Equipment	Member	ERGS	105,000	01/06/2013	31/05/2015	4L089
26	The effectiveness of superimposed ultrasonic excitation on sheet metal	Member	RUG	20,000	01/06/2013	31/05/2014	00K44
27	Context-Specific Information Delivery for Building Maintenance of Institution of Higher Education in Malaysia	Member	NAPREC	198,440	15/12/2012	14/12/2014	4B086
28	Characterization of Polyethylene Terephthalate (Pet) Waste as Sustainable Binder for Metal Injection Molding	Member	FRGS	90,820	01/04/2012	31/03/2014	4F124
29	Developing Sustainable Binder for Metal Injection Molding using Recycle Materials	Member	RUG	50,000	01/05/2012	30/04/2013	06J50
30	Using larger flaw sizes as acceptable criteria for aerospace applications	Member	PAS	20,000	01/06/2011	01/06/2013	4P019
31	Ageing Assets Health Monitoring in Oil & Gas Industry	Member	RUG	50,000	15/11/2015	14/11/2017	
32	An Attempt to Replicate the Composition of Zamzam Water by Processing Deep Sea	Member	RUG (FLAGS HIPS)	400,000	01/03/2013	06/02/2016	00G62
33	Acoustical Performance of Kenaf/Polypropelene Composite as a High Acoustic Absorber at Aircraft Hangar	Member	RUG	20,000	01/10/2016	31/12/2017	12J12
34	Investigation of Best Parameters to Obtain Optimal Performance of	Member	RUG	20,000	01/10/2016	31/12/2017	12J01

	Fully Functioned Crossflow Micro-Turbine to be Used by Orang Asli in Remote Area						
35	Development of Systematic Recycle PA 2 in Laser Sintering Process Towards Green Manufacturing	Network Grant (IIUM)	FRGS	32,000	16/04/2010	15/04/2012	IIUM

## ARTICLE REVIEWER

NO	JOURNAL /CONFERENCE	TITLE	DATE	PUBLISHER
1	Journal of Mechanical Engineering and Science	Bearing fault diagnosis employing Gabor and augmented architecture of convolutional neural network	2019	UMP
2	Journal of Advanced Research Design	Tensile Properties for Treated Single Kenaf Fiber	2017	Penerbit Akademia Baru
3	Journal of Advanced Research Design	Tensile Properties for MWCNT Filled Jute-Epoxy Composites	2016	Penerbit Akademia Baru
4	Jurnal Teknologi	Isolation and identification of Actinobacterial biosurfactant producers	2016	Penerbit UTM
5	Journal of Advanced Research Design	Bamboo composite welding cart conceptual design for oil and gas industry	2016	Penerbit Akademia Baru
6	Jurnal Teknologi	Evaluating the Effect of Temperature and Humidity on Energy Saving in Residential Buildings using Design of Experiment and Building Simulation	2016	Penerbit UTM
7	Journal of Advanced Research	Safety Culture Quality in Royal Malaysian Air Force (RMAF)'s Hangar	2016	Penerbit Akademia Baru
8	Jurnal Teknologi	Innovation in Agricultural support on sustainability for fresh fruit bunch (FBB) of Elais guineensis in malaysia	2016	Penerbit UTM
9	Jurnal Teknologi	Effects of number of connections and pipe length to the water losses in melaka	2016	Penerbit UTM
10	Jurnal Teknologi	Performance of the ocean thermal energy conversion cycle according to different working fluids	2015	Penerbit UTM
11	Jurnal Teknologi	Effect of ascorbic acid and ferum ions concentration on the hydrolysis of glucosinolate and myrosinase activity in the watercress ( <i>nasturtium officinale</i> sp.)	2015	Penerbit UTM
12	Jurnal Teknologi	Enhancing hydrogen production in an ocean thermal energy (OTEC) system through the use of a solar collector	2015	Penerbit UTM
13	Journal of Transport Engineering	Product realization and development an application of advance product quality planning (APQP) in Malaysian automotive suppliers	2014	Penerbit Akademia Baru
14	International Conference of Mechanical & Manufacturing Engineering, ICME 2013	Feasibility Study of Additive Manufacturing Technology Implementation in Malaysian Automotive Industry using Analytical Technology Hierarchy Process	2013	Universiti Tun Hussein Onn Malaysia (UTHM)
15	ICRQE 2913	Chip Formation in the Machining of Al-SiC/AlN Matrix Metal Composite (MMC) using the Uncoated of Carbide Tool	2013	UTM Razak School

16	Jurnal Teknologi	The relationship between Internal and External R&D with Operational Performance moderated by Intellectual Property Rights: Chemical and Metallurgical Manufacturing Firms in Malaysia	2013	Penerbit UTM
17	Jurnal Teknologi	A Bibliometric Review and Analysis of Taguchi-Centered Optimization in Plastic Injection Moulding	2013	Penerbit UTM
18	Jurnal Teknologi	Chip formation in the Machining of Al-SiC/AlN Matrix Metal Composite (MMC) Using the Uncoated of Carbide Tool	2013	Penerbit UTM
19	Jurnal Teknologi	Influence of Composition and Sintering Temperature on Density for Pure and Titanium Alloy Foams	2013	Penerbit UTM
20	International Conference of Mechanical & Manufacturing Engineering, ICME2012	Effects of MIG welding to corrosion behaviour of carbon steel	2012	Universiti Tun Hussein Onn Malaysia (UTHM)
21	International Conference of Mechanical & Manufacturing Engineering, ICME2012	Effect of corrosion on the tensile properties of a 0.4%C steel exposed to seawater	2012	Universiti Tun Hussein Onn Malaysia (UTHM)
22	International Conference on Modeling, Simulation and Applied Optimization, 2011	A Simulation Optimization approach to Un-paced Assembly Line Balancing Problem-II with additional Reworking issue	2011	IEEE
23	International Conference on Modeling, Simulation and Applied Optimization, 2011	A new DEA model for supplier's selection	2011	IEEE
24	International Conference on Modeling, Simulation and Applied Optimization, 2011	A Solution approach for the Stochastic Airport Bus Routing Problem	2011	IEEE
25	The Journal of The Institution of Engineers Malaysia	Thermal comfort Assessment at parcel and logistic industry: A field study in Malaysia	2010	The Institution of Engineers Malaysia
26	The Journal of The Institution of Engineers Malaysia	Correlation between job satisfaction level and workstation design: A survey at Malaysian Automotive Industry	2010	The Institution of Engineers Malaysia
27	Chiang Mai Journal of Science	Microstructural restoration by HIP and heat treatment process in cast nickel-based superalloy, IN-738	2009	Faculty of Science, Chiang Mai University
28	The Journal of The Institution of Engineers Malaysia	Design and analysis of 8 and 16 cavity of traditional for plastic injection mould	2008	The Institution of Engineers Malaysia
29	The Journal of The Institution of Engineers Malaysia	Review on the machining of cast iron	2008	The Institution of Engineers Malaysia
30	The Journal of The Institution of Engineers Malaysia	Development of heat treatment process through microstructural control in 2017 aluminium alloy for aerospace application	2008	The Institution of Engineers Malaysia
31	Malaysia-Japan International Symposium on Advanced Technology 2007 (MJISAT 2007)	Oil leakage form tapered seal of fluid film bearing	2007	College of science and Technology UTM

32	Malaysia-Japan International Symposium on Advanced Technology 2007 (MJISAT 2007)	Fluid dynamics behaviour and flow visualization between film and roller for transporting films	2007	College of science and Technology UTM
33	Malaysia-Japan International Symposium on Advanced Technology 2007 (MJISAT 2007)	Measurement of oil film and visualization of real contact area	2007	College of science and Technology UTM
34	Malaysia-Japan International Symposium on Advanced Technology 2007 (MJISAT 2007)	Empirical equation analysis for effects of surface profile on oil film pressure under sliding condition with model	2007	College of science and Technology UTM
35	Malaysia-Japan International Symposium on Advanced Technology 2007 (MJISAT 2007)	Importance of crack tip stress shielding effect on fatigue crack growth resistance	2007	College of Science and Technology UTM
36	The Journal of The Institution of Engineers Malaysia	IGBT Induction hardening and its application in Singapore	2007	The Institution of Engineers Malaysia
37	The Journal of The Institution of Engineers Malaysia	Silicon carbide: Power devices and applications	2007	The Institution of Engineers Malaysia

## COLLABORATION / MOU

NO	NAME OF MOU	LEVEL OF MOU (NATIONAL/INTERNATIONAL)	STARTING DATE	ENDING DATE
1	MOU on Education, Research, and Community Development (UTM-UNIVERSITAS PERTAMINA)	International	2017	2019
2	MOA on Research Based Foundation for Sustainable Agriculture Entrepreneurship (Smart Rural) (UTM-KETENGAH)	National	2017	2019
3	MOA on Real Estate Research and Development Grant Scheme (NAPREC) (UTM-INSPEN)	National	2012	2014

## TEACHING ACTIVITIES

### UNDERGRADUATE

YEAR OF SEMESTER	SEMESTER	SUBJECT CODE	NAME OF SUBJECT	CREDIT HOUR	SECTION
2019/2020	2	SMJP2113	Manufacturing Process	3	2
2019/2020	1	SMJP 4293	Welding Engineering	3	2
		DDWJ3502	Mechanical Design Project	2	50
		DDWJ3921	Engineering Laboratory 2	1	18
2018/2019	1	DDWJ3703	Manufacturing Process	3	19
		DDWJ3502	Mechanical Design Project	2	51
2017/2018	2	DDWJ1802	Industrial Engineering	2	28
		DDWJ1802	Industrial Engineering	2	29
2017/2018	1	DDWJ1802	Industrial Engineering	3	18
2016/2017	2	DDPJ3213	Mechanic of Machine	3	26
2016/2017	1	DDPJ3504	Mechanical Design Project	4	50
		DDPJ3504	Mechanical Design Project	4	51
2015/2016	2	DDPJ2922	Engineering Lab 1	3	18
		DDPJ3003	Manufacturing Process	3	
		SMJP4293	Welding Engineering	3	
2015/2016	1	DDPJ3213	Mechanic of Machine	3	51
2014/2015	1	DDPJ3213	Mechanic of Machine	3	52
		DDPJ3504	Mechanical Design Project	4	51
2013/2014	2	DDPJ1203	Static	3	18
		DDPJ2733	Manufacturing Process	3	27
		SRSI2143	Applied Ergonomics	3	1
2013/2014	1	DDPJ3003	Manufacturing Process	3	27
		SRSI2915	Industrial Training Supervision	5	-
		SRSI2043	Ergonomic Principles	3	1
2012/2013	2	DDJ1203	Static	3	17
		SRSI1003	Engineering Mechanic	3	1
2012/2013	1	SRSI1203	Material and Manufacturing Process	3	1
		DDJ3003	Manufacturing Process	3	28
2011/2012	2	DDJ3703	Manufacturing Process	3	21
		SME2713	Manufacturing Process	3	1
		DDJ3703	Manufacturing Process	3	27
		SRI2915	Industrial Training Supervision	5	-
2011/2012	1	SRSI1203	Material and Manufacturing Process	3	1
2010/2011	3	SME1902	Engineering Workshop	2	18
2010/2011	2	DDJ3703	Manufacturing Process	3	19
		DDJ3703	Manufacturing Process	3	27
2010/2011	1	DDJ3003	Manufacturing Process	3	27
		DDJ3703	Manufacturing Process	3	18
		DDJ 2922	Engineering Lab 1	2	19

2009/2010	2	DDJ3703 DDJ3932	Manufacturing Process Engineering Lab 2	3 2	19 18
2009/2010	1	DDJ3003 DDJ3003	Manufacturing Process Manufacturing Process	3 3	19 27
2008/2009	2	DDJ3003 DDJ3003	Manufacturing Process Manufacturing Process	3 3	27 28
2008/2009	1	DDJ3003 DDJ3003	Manufacturing Process Manufacturing Process	3 3	27 28

**TOTAL CREDIT HOUR 139**

## POSTGRADUATE

YEAR OF SEMESTER	SEMESTER	SUBJECT CODE	NAME OF SUBJECT	CREDIT HOUR	SECTION
2020/2021	1	MRSE2583 ERSA1213	Project Management (University of Meiji) Current Topics Supply Chain Management	3 3	1 1
2019/2020	2	MRSE2543 MRSE2543 MRSA2083 MRSF1223 MRSE2593 MRSE1513	Supply Chain Management Supply Chain Management Industrial Ergonomics Technovation Management Technology Management Operation and Strategy and Management	3 3 3 3 3 3	1 2 1 1 1 1
2019/2020	1	ERSA1113  MRSA2083 MRSE2583	Current Topics in Production and Operations Management Industrial Ergonomics Project Management	3  3 3	1  1 1
2018/2019	3	ERSA1113	Current Topics in Production and Operations Management	3	1
2018/2019	2	MRSE2583 MRSE2543 MRSE2543 MRSE2583 ERSA1213 MRSA2083	Project Management Supply Chain Management Supply Chain Management Project Management Current Topics Supply Chain Management Industrial Ergonomics	3 3 3 3 3 3	1 1 2 5 1 1
2018/2019	1	ERSA1213 MRSF1223 MRSA2083	Current Topics Supply Chain Management Technovation Management Industrial Ergonomics	3 3 3	1 1 1
2017/2018	2	ERSA1213 MRSA2083 MRSE2543 MRSE2583 MRSF1223	Current Topics Supply Chain Management Industrial Ergonomics Supply Chain Management Project Management Technovation Management	3 3 3 3 3	1 1 1 2 1
2017/2018	1	MRSE1513 MRSF1223 MRSA2083 ERSA1233	Strategy and Operation Management Technovation Management Industrial Ergonomics Current Topic in Project Management	3 3 3 3	1 2 1 1
2017/2018	2	MRSF1223 MRSA2083 ERSA1233 MRSE2583	Technovation Management Industrial Ergonomics Current Topic in Project Management Project Management	3 3 3 3	2 1 1 1
2016/2017	3	ERSA1213  MRSE2543 MRSA2803	Current Topic in Supply Chain Management Supply Chain Management Industrial Ergonomics	3  3 3	2  2 1
2016/2017	2	MRSE2583 MRSF1223	Project Management Technovation Management	3 3	1 1
2016/2017	1	MRSA2083 ERSA1123 ERSA1213	Industrial Ergonomic Current Topic in Technology Management Current Topic in Supply Chain Management	3 3 3	1 1 1
2015/2016	3	EMS2173	Resource and Project Management	3	1
2015/2016	2	MRSE2583	Project Management	3	1



		MRSA2803	Industrial Ergonomic	3	1
		MRSE1123	Strategic Management	3	1
2015/2016	1	MRSE1513	Productions Strategy & Management	3	1
		ERSA1113	Current Topics in Production and Operations Management	3	2
		ERSA1123	Current Topics in Technology Management	3	2
		MRSE2583	Project Management	3	1
2014/2015	2	MDE2593	Technology Management	3	2
2014/2015	1	MRSE2593	Technology Management	3	2
		ERSA1123	Current Topics in Technology Management	3	2
		MRSE2583	Project Management	3	1
2013/2014	2	EMS2173	Resource and Project Management	3	1
		MDE2583	Project Management	3	2
		MDE2593	Technology Management	3	1
2013/2014	1	UDP0010	Research Methodology	3	2
2012/2013	1	EMS 2173	Resource and Project Management	3	1
2011/2012	1	EMS 2173	Resource and Project Management	3	1
2010/2011	1	EMS 2173	Resource and Project Management	3	1

**TOTAL CREDIT HOUR 186**

## SUPERVISION

## PHD STUDENTS

### Main Supervisor

NO	NAME	STATUS (GRADUATED /ONGOING)	TITLE	DATE
1	Mohamad Hamzi Bin Mohamad	Graduated	Energy Efficiency Performance Model for Office Buildings in Malaysia	2019
2	Mohd Zubairy Shamsudin	Graduated	Rekabentuk dan Pembangunan Instrumen untuk Menilai Faktor Risiko Gangguan Rangka Otot Pekerjaan Kendalian Manual	2018
3	Fazarizul Hashidi Bin Muhamad Pauzi	Ongoing	LRT's business model framework: increasing ancillary revenue and facilitating smart urban environments through technology services	-
4	Hazrizam bin Abraham	Ongoing	Data Quality Management framework for MTR in Oil and Gas Industry	-
5	Razni bin Khalid	Ongoing	Maintenance Framework for TVET Colleges in Malaysia	-
6	Nikk Adam Bin Abdillah Kipalli	Ongoing	Improving the Passenger Travel Experience through Internet of Things Technologies at Smart Airports	-
7	Muhammad Shahrizzat Bin Ramli	Ongoing	Mahalanobis Taguchi Optimization in Injection Moulding	-
8	Rajasurian A/L Muthu Elandy	Ongoing	Ergonomic Design in Mechanical Workshop	-

## PHD Co-Supervisor

NO	NAME	STATUS (GRADUATED/ ONGOING)	TITLE	DATE
1	Rosmah Ali	Graduated	An Instrument to Measure Information and Communication Technology User-Skills ability for Engineering Learning	2012
2	Dwi Cahyadi	Ongoing	The Relationship Between Ergonomics and Aesthetics in Development of Handycraft Product	-
3	Mohd Naquiuddin bin Mohd Salleh	Ongoing	Automated Defect Detection in Elbow Pipe by using Ultrasonic Guided Wave	-
4	Azrol Syazli bin Aziz	Ongoing	Decision Making Framework to Deliver Project for Early Operation: Petrochemical Project	-
5	Noor'ain binti Zainal Abidin	Ongoing	Exploring Learning Approach through Project Management Game to Improve Project Management Competency	-

## MASTER STUDENTS

### Master by Research (Main Supervisor)

NO	NAME	STATUS (GRADUATED/ ONGOING)	TITLE	DATE
1	Nur Amanina Damira Muhalim	Graduated	Experimental Investigation and Finite Element Modelling of Quasi-Static and Ultrasonic Compression of Copper Tube	2017

### Master by Taught Course (Main Supervisor)

NO	NAME	STATUS (GRADUATED/ ONGOING)	TITLE	DATE
1	Nur Izzati Ahmad Rosidi	Ongoing	Lean Optimization in the Warehouse Layout Design of an Oil and Gas Company in Malaysia	-
2	Cheng Zhuoya (Meiji University)	Ongoing	The Impact of the Characteristic of Board Directors on Corporate Performance	-

3	Zhang Kang (Meiji University)	Graduated	The Moderating Effect of Organizational Learning between Information System and R&D Ambidexterity Construction in China's Mobile Phone Industry	2021
4	Syarifah Hannan Sayed Abd Rahman	Graduated	Awareness on Personal Protective Equipment Compliance in Shipyard Industry	2021
5	Noor Hisham Kamal	Graduated	Ergonomics Risk Assessment on Musculoskeletal Disorders in the Back Side of Body among Firefighters	2021
6	Nor Azhar Ahmad Zubir	Graduated	Ergonomic Assessment of Musculoskeletal Disorders among Flight Baggage Handlers at KLIA	2019
7	Nur Khairul Bariah Mohd Yatim	Graduated	Assessing the Effect of Heat Stress on Cognitive Function among Construction Site Traffic Controllers	2018
8	Nurul Ayu Abu Jalil	Graduated	Project Monitoring Tool for Research and Development Project in Research Institute	2018
9	Zulkarnain Bazid	Graduated	Biocide Substance Awareness Concerning Skin Sensitization of Chemical Supply Company in Malaysia	2018
10	Mohd Nizam Esa	Graduated	Risk Assessment of Musculoskeletal Disorders (MSDs) in Cut and Bend Section at Amsteel Mills Sdn Bhd	2017
11	Muhammad Zafariq Zainal	Graduated	Organizational Stress among Operation Department at Offshore Topside Construction	2017
12	Ahmad Hafiz Mustapha	Graduated	Physical Disorder among Network Operation Center Workers at Telekom Malaysia Cyberjaya	2017
13	Mohamad Shahmi Mahamad Yasri	Graduated	Improving Supply Chain Management in Servicing Life Raft for Marine Department in Destini Prima Sdn Bhd	2016
14	Nurzatul Iffah Abdul Malik	Graduated	Ergonomics Risk Factor Assessment at Army Logistics Headquarters	2016
15	Anuar Mustam	Graduated	Embedding EASA System (Modular) to MQA System (Diploma) by Lean Implementation in UniKL-MIAT	2016
16	Megat Wiswan Mgt Mazelan	Graduated	Awareness on Safety Management during Pipe Repairing Work by Syarikat Bekalan Air Selangor (SYABAS) Panel Contractor on Site	2016
17	Haryati mohd Yatim	Graduated	Managerial Competency on Technology Transfer Project in a Multinational Company	2016
18	Nuur Rusilawati Mat Haron	Graduated	Kesedaran Keselamatan Kontraktor Gred G1 Telekom Malaysia Kedah	2015
19	Yeoh Kah Loon	Graduated	Assembly Layout Improvement in Company Anonymous	2015
20	Chari Yap Hai	Graduated	Reduction of Equipment Unscheduled Downtime for Strip on Carrier Operation by Implementing Total Productive Maintenance	2015
21	Atiqah Md Desa	Graduated	Ergonomics Risk Assessment on Maintenance Workers in a Semiconductor Company	2014
22	Devanbu M. Siluvaiyah	Graduated	Ergonomic Evaluation of Pallet Trolley	2014
23	Ahmad Naguib Shaari	Graduated	Process Balancing at Cylinder Block Machining by using Yamazumi Method	2014
24	Kamaruzaman Shaari	Graduated	Lean Process in Product and Process Validation for Malaysian Automotive Industry	2014
25	Rofi Ismail	Graduated	Penilaian Ergonomik terhadap Operator Penguji dalam Operasi Pengendalian Kotak Pembawa secara Manual di Syarikat Semikonduktor	2014
26	Hemapathy Pasunagi	Graduated	Assessment on Ergonomic Risk Factor of Pneumatic Air Screwdriver at Robert Bosh Pwer Tools	2014
27	Zulkefley Jamahari	Graduated	An Effective Maintenance Management of Main Battle Tank (MBT) PT 91 for Malaysian Army	2013
28	Mohd Nadzir Paiman (University of Warwick)	Graduated	Improvement of Science Fund Evaluation Process in MIMOS Berhad using Quality Tools and Techniques	2012

29	Atikah binti Basri	Graduated	Permit to Work (W.T.P) Safety Management	2012
30	Ahmad Mukrim Abdullah	Graduated	Safety Practice among Contract Workers in Perspective of Petronas Staffs at Kerteh Compressor Station	2012
31	Hii Tiing Poh	Graduated	Implementing Risk Assessment on Offshore Shipping Companies in Miri	2012
32	Tiong Kwong Heng	Graduated	International Safety Management (ISM) Code: A Tool to Improve Safety Performance of Offshore Shipping Companies in Miri	2012
33	John Justin Hasnan Ajus	Graduated	Enhancement of High-Pressure Hydrocarbon Fluid Sample Collecting in Baronia Oil Complex	2012
34	Pang Chee Kong (University of Warwick)	Graduated	Effectiveness of enterprise resource planning system implementation in supporting the lean manufacturing practice	2011
35	Ruslan Mamat	Graduated	Evaluating the Competency of Technicians in Mercury Handling at Onshore Gas Terminal (OGT), Kerteh	2011
36	Jetanathi V. Raman (University of Warwick)	Graduated	Improvement in Human Factors of Quality Management in a Semiconductor Industry	2009

## UTM POSTGRADUATE EXAMINATION / VIVA

### PHD / DOCTORATE (PROPOSAL EVALUATION PANEL / CHAIRMAN ASSISTANT)

NO	ROLE	NAME OF STUDENT	TITLE	YEAR
1	Evaluation Panel	Nadirah Hazwani Binti Najib	Framework Of Stakeholder Management For Mixed Development Project In Malaysia	09/12/2020
2	Evaluation Panel	Abdelalim Eltayeb Elawad Elemam	Framework to Enhance Implementing Industry 4.0 in Company (A) in Sudan	17/07/2020
3	Evaluation Panel	Rafiziakil Bin Mohamad	Improving Triage System With Chest Pain Patient Management At Emergency Department	29/12/2020
4	Evaluation Panel	Izwan Hamidi Mohamad Hairani	Bond Slip Behaviour of Fly Ash and Slag Based Geopolymer Concrete	30/04/2019
5	Evaluation Panel	Ali Salim Abdullah Al Tooqi	The Impact of Disruption Factors on The Efficiency of Fuel Transportation of Petroleum Marketing Companies in Oman	02/05/2019
6	Evaluation Panel	Mohd Affendy Amir	Operational Excellence Program for Upstream Brown Field Through Effective Onshore and	31/05/2018

			Offshore Operation and Maintenance Interface Collaboration	
7	Evaluation Panel	George De Cruz	Prioritizing and Budgeting of Maintenance Activities in a Cement Kiln	28/05/2018
8	Evaluation Panel	Kumaresan Magaswaran	Enhancing Low Frequency Performance of Acoustic Black Hole (ABH)	02/05/2018
9	Evaluation Panel	Ahmad Ashraf Ahmad Ali	Consumes Perception Towards the Remanufacturing Goods in Automotive Industry	02/05/2018
10	Evaluation Panel	Nor Azlina Ahmad Zaini	Development of Green Supplier Selection Model for Public Projects Using Integrated Delphi-Analytic Network Process (ANP)	02/05/2018
11	Evaluation Panel	Jap Jee Siang	Condition Monitoring of Turbomachinery Using Data Fusion Technique in Convolutional Neural Networks	03/05/2018
12	Evaluation Panel	Nur Najmiah Jaafar	Bus Arrival Time Prediction Using Mahalanobis-Taguchi System	03/05/2018
13	Evaluation Panel	Shahnaz Ali Abdalla Mohamed	Develop of The Delay Analysis Framework for Residential Building Construction in Abu Dhabi, UAE	03/05/2018
14	Evaluation Panel	Mohamad Mahathir Mohamed Younos	Osh Management Framework For Contractor Engagement in Design And Build Contract on Water Services	21/11/2017
15	Evaluation Panel	Yap Jee Siang	Condition Monitoring Of Turbomachinery with Deep Learning Approach	22/11/2017
16	Evaluation Panel	Mahmudin Saleh	Sustainable Processing of Natural Fibres for Downstream Application	02/06/2016
17	Evaluation Panel	Ravi Krishnan	Process Optimization of Flexible Polyurethane Foam Using Taguchi Method	03/06/2016
18	Evaluation Panel	Lee Mao Rui	Contractor's Key Performance Indicators for Housing Construction Project in Malaysia	24/05/2016
19	Evaluation Panel	Suraya Mohamad Nadzir	Effect of High Temperature Steam Oxidation on Creep Properties of T91 Superheated Tube for Boiler Application	15/11/2016
20	Evaluation Panel	Muhammad Khairul Ruslan	Memantapkan Budaya Keselamatan di Firma Pembinaan Melalui Pelaksanaan Sistem Pengurusan Keselamatan Dan Kesihatan Pekerjaan (OHSAS 18001:2007)	22/11/2016
21	Evaluation Panel	Tan Hong Wai	Lean Management System for Improving Inventory Turnover at New Edge Sdn. Bhd.	22/11/2016
22	Evaluation Panel	Azmil Md Hassim	Operational Modal Analysis Based on Deflection Mode of Operational Complex Pipeline System	06/12/2016
23	Evaluation Panel	Aziizur Rahman Abdul Aziz	Acoustical Performance of Kenaf / Polypropylene / Epoxy Composite as a High Acoustic Absorber / Barrier At Aircraft Hangar	18/11/2016
24	Evaluation Panel	Fadhilah Abdul Razak	Investigation of Dual Piezoelectric Fans with Magnetic Fans on Electronic Cooling System	15/11/2016
25		Ooi Ching Sheng	Health Monitoring of Underground Storage Tank (UST)	06/12/2016

26	Evaluation Panel	Abdul Malek Abdul Wahab	Torsional Instability Analysis and Non-Linear Vibration of Shaft System under Parametric Excitation	13/01/2015
27	Evaluation Panel	Mohd Omar Mukhtar Zainul Azmi	Bath Agitation Enhancement in Electroless Nickel Plating Processing Tank for Hard Disk Drive Manufacturing	Dec 2015
28	Evaluation Panel	Ravi Krishnan	Process Optimization of Flexible Polyurethane Foam Production, Using Taguchi Method	Dec 2015
29	Evaluation Panel	Liew Chee Leong	Effective Adoption of Strategic Management Process in An Aviation Maintenance Repair and Overhaul Organization	Dec 2015
30	Evaluation Panel	Sideq Salleh	Effects of Non-Spherical Colloidal Silica Slurry Shape, Size and Particle Distribution On Al-Nip Hdd Substrates CMP Application	Dec 2015
31	Evaluation Panel	Clement C.Scully	Risk Based Dynamic Scheduling and Tracking Using Fuzzy Method	Dec 2015
32	Evaluation Panel	Muhamad Suhaimi Deris	Conditioned Air and Thermal Comfort in Operating Theater Room in Malaysia Climate Condition	Dec 2015
33	Evaluation Panel	Nor Azizi Mazalan	Coal Fired Power Plant Process Modeling Utilizing Actual Plant Data Based on Neural Network Algorithm	Dec 2015
34	Evaluation Panel	Sofyan Djamil	Pencirian Komposit Matriks Polimer Bertelulang Gentian Semulajadi Bulu Giganchtolioa Apus	30/04/2015
35	Evaluation Panel	Kambiz Ghafourian	Sustainable Measurement Model For Construction And Demolition Waste Management In Malaysia	26/11/2015
36	Evaluation Panel	Azianashima	A Continuous Squeeze Mode Magnetorheological Damper	15/12/2014
37	Evaluation Panel	Ahmad Aizuddin Abd Aziz	Fundamental Investigation Aspherical Lens Mould Lapping	07/12/2015
38	Evaluation Panel	Ubaidillah	Functional Behaviour of Novel Waste Base Magnetorheological Elastomer in Compression Mode	15/12/2014
39	Evaluation Panel	Ayad Omran Abdalla	Effect of Treatment on the microstructure and Mechanical Properties of Ti-6Al(1-3 wt %) Fe alloys for Aerospace Applications	28/04/2014
40	Evaluation Panel	Mohamed Hanafiah Omar	Piezoelectric Vibration Energy Harvester: A Design Configuration for Wireless Sensor Nodes	28/04/2014
41	Evaluation Panel	Nurul Hazwani Mohamad Hanafi	Effect of Heat Treatment on the Microstructure and Mechanical Properties of Service-exposed Ni-Cr Superalloy Turbine Blade	24/11/2014
42	Evaluation Panel	Halim Shah Hamzah	Automotive Core Component Price Determination Using Expert System	04/12/2014
43	Evaluation Panel	Liza @ Sri Redzeki Mohd Anuar	Establishment of Proton Accelerated Corrosion Test Procedures	17/01/2013
44	Evaluation Panel	Ali Mohammed Said Alraqadi	Knowledge of Competencies, Through	08/01/2013

			Multi-Method Choice to Boost Fleet Support with Specific Reference to Omani Dockyard	
45	Evaluation Panel	Nasuha Lee Abdullah	Impact of Operational Complexity in Quality Management Practices- Performance Relationships in Malaysian Electrical and Electronics Manufacturing Industry	08/01/2013
46	Evaluation Panel	Zuraimi Zakariah	3D Images for Asset Management: A Case Study for Hospital Management	08/01/2013
47	Evaluation Panel	Rajeshparan Rangaraj	Performance Management Re-Invention Integrating Organizational Communication Upon Business Transformation	08/01/2013
48	Evaluation Panel	Hanida Abdullah	Online Modelling and Performance Prediction for Noise Reduction of Exhaust Muffler	07/01/2013
49	Evaluation Panel	Mohd Nazir Abd Rahman	Lean Process using TRIZ	23/11/2012
50	Asistant Chairmain	Fazimah Mat Noor	PhD Thesis	04/04/2018
51	Asistant Chairmain	Salah Mahdi Ali	PhD Thesis	06/05/2016
52	Asistant Chairmain	Shahrokh Shahraki	PhD Thesis	25/02/2015
53	Asistant Chairmain	Bijan Ganji Jameshooran	PhD Thesis	09/06/2015
54	Asistant Chairmain	Mohd Yazid Abu	PhD Thesis	09/09/2015

#### MASTER BY RESEARCH (VIVA / PROPOSAL EVALUATION PANEL)

NO	ROLE	NAME OF STUDENT	TITLE	YEAR
1	VIVA-Internal Examiner	Mohd Akhir Aman Shah	Experimental of Lightweight Brake Disc Rotor for Road Vehicle	04/09/2016
2	VIVA-Internal Examiner	Muhammad Khairul Khalid	Analysis of Self-Piercing Rivet (SPR) on a Thin-Plate Structure	20/01/2015
3	VIVA-Internal Examiner	Izyani Mohd Yazid	New Magnetorheological Damper Using Combination of Shear and Squeeze Working Mode	12/07/2013
4	Proposal Evaluation Panel	Nurul Haziatul Ain Binti Norhasnan	Characterization and Mechanical Properties of Rice Husk/Cocope at Reinforced Abs Hybrid Composite	14/12/2020
5	Proposal Evaluation Panel	Datuk Hj Khan Mohd Akram Khan	Development of Malaysia End of Life Vehicle Framework via Data Drive	04/06/2020
6	Proposal Evaluation Panel	Aezal Muhammad Fail Bin Zainol Abidin	Oxidation Behaviour of Ti-6Al-(1-3)Wt% Fe at Temperature between 650°C to 850°C	26/04/2019
7	Proposal Evaluation Panel	Cassandra Gail R Al Gopera	Hybrid Renewable Energy: Tidal Current Turbine & Solar Power Electrification One Fathom Bank Malaysia	07/05/2018
8	Proposal Evaluation Panel	Dewi Utami	Durability of Magnetorheological Fluid on Magnetorheological Valve	30/05/2017
9	Proposal Evaluation Panel	Mohamad Ikhwan Bin Ibrahim	Properties Enhancement of Chemically Retted Kenaf Fiber in Kenaf/Polypropylene Composites Using Response Surface Method	23/11/2017

10	Proposal Evaluation Panel	Law Jieh	Design of Mold Runner System for Relay Components via Plastic Injection	20/11/2017
11	Proposal Evaluation Panel	Mohd Dasuki Yussof	M. Phil Proposal	10/05/2016
12	Proposal Evaluation Panel	Mohd Fadzil Hassan@Ismail	M. Phil Proposal	10/05/2016
13	Proposal Evaluation Panel	Nurul Liyana Burhanuddin	M. Phil Proposal	28/04/2016
14	Proposal Evaluation Panel	Yusli Mohamad Yunus	M. Phil Proposal	13/05/2016
15	Proposal Evaluation Panel	Sandafaye Sone	Numerical and Experimental Modal Verification of Vibration Characteristic in Automotive Crankshaft	27/11/2015
16	Proposal Evaluation Panel	Muhammad Faiz Wahab	Development of New Lapping Technology for Aspheric Lens using CNC Machine	15/04/2015
17	Proposal Evaluation Panel	Nor Amyra Hana Mohd Yusoff	The Effects of Operating Parameter on a Highly Efficient Pem Electrolyzer in Hydrogen Production	23/04/2014



## PUBLICATIONS

### JOURNAL

NO	ARTICLE TITLE	JOURNAL TITLE	ISSN	VOL	ISSUES	PAGE	PUBLICATION YEAR	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	CATEGORY AUTHOR
1	Analysis of Urban Morphological Effect on the Microclimate of the Urban Residential Area of Kampung Baru in Kuala Lumpur Using a Geospatial Approach	Sustainability	20711050	12	7301	1-19	2020	2.79	Journals	WOS	Q2	Co Author
2	Mercerization Optimization of Bamboo ( <i>Bambusa vulgaris</i> ) Fiber-Reinforced Epoxy Composite Structures Using a Box–Behnken Design	Polymers	00323861	12	6	1-19	2020	3.63	Journals	WOS	Q1	Co Author
3	Assessment of Outdoor Air Temperature with Different Shaded Area within an Urban University Campus in Hot-Humid Climate	Sustainability	20711050	12	14	1-24	2020	2.79	Journals	WOS	Q2	Co Author
4	Impact Damage Resistance and Post Impact Tolerance of Optimum Banana-Pseudo Stem	Applied Sciences	14545101	10		1-23	2020	2.45	Journals	WOS	Q1	Co Author
5	Ergonomic Risk Assessment on Welding Practical Work on Learning Process at Malaysia Polytechnic Diploma of Engineering Programme	IOP Conference Series Materials Science and Engineering	1757899X	864	1	1-7	2020		Conferences and Proceedings	SCOPUS		First UTM Author
6	Mode I Fracture Toughness of Optimized Alkali-Treated <i>Bambusa Vulgaris</i> Bamboo by Box-Behnken Design	Advances in Material Sciences and Engineering		20		565-575	2018		Conferences and Proceedings	SCOPUS		Co Author
7	Life-cycle Assessment on the Highway Street Lantern using Weibull Probability Approach	Journal of Physics: Conference Series	17426588	1150	01		2019	0.23	Conferences and Proceedings	WOS		Co Author

8	Critical success factors maintenance strategy in industry for technical vocational education training institute	Test and Engineering Management	01934120	81	11-12	679-688	2019	0.1	Trade Journals	SCOPUS	Q4	First UTM Author
9	Evaluation and Analysis of Noise Pollution in the Manufacturing Industry	Journal of Physics: Conf. Series	17426588 17426596	1150	01		2019	0.23	Conferences and Proceedings	WOS		Co Author
10	Measurement of hazardous personal noise exposure in spice manufacturing industry	Journal of Physics: Conf. Series	17426588 17426596	1150	01		2019		Conferences and Proceedings	WOS		Co Author
11	Elastic-Plastic Behaviour of Ultrasonic Assisted Compression of Polyvinyl Chloride (PVC) Foam	IOP Conference Series: Materials Science and Engineering	17578981 1757899X				2018		Conferences and Proceedings	WOS		Corresponding
12	Critical design factors on performance of car jack lifting operations	Indonesian Journal of Electrical Engineering and Computer	25024760 25024752	12	2	521-526	2018		Journals	SCOPUS	Q2	Co Author
13	Seawater infiltration effect on thermal degradation of fiber reinforced epoxy composites	AIP Conference Proceedings	0094243X 15517616	1958			2018	0.19	Conferences and Proceedings	SCOPUS		Co Author
14	Compressive Behaviour and Energy Absorption of Copper Tube under Quasi-Static and Ultrasonic Compression Test	Journal of Mechanical Engineering	18235514	SI 3	1	169-184	2017	0.22	Journals	SCOPUS	Q3	First Author
15	Exploring Acceptance of Game Based Learning from Malaysian Government Professionals' Perspectives	European Proceedings of Social and Behavioural Sciences	2357-1330				2018		Journal	WOS		Co Author
16	Project Practitioners' Competency in Malaysian Construction Industry	Sains Humanika		9	1-4		2017		Journal			Co Author
17	Noise measurement and awareness at construction site – A Case Study	Journal of Advanced Research Design		31	1	9-16	2017		Journal			Co Author

18	Mechanical properties of quasi-static and ultrasonic compaction of stainless-steel powder metallurgy	ARPN Journal of Engineering and Applied Sciences	18196608				2016	0.24	Journals	SCOPUS	Q2	First Author
19	Development and Validation of Work Movement Task Analysis: Part 2	ARPN Journal of Engineering and Applied Sciences	18196608	11	10		2016	0.24	Journals	SCOPUS	Q2	First UTM Author
20	Improvement of universal parts for pick and place machine in semiconductor industry using QFD approach	ARPN Journal of Engineering and Applied Sciences	18196608				2016	0.24	Journals	SCOPUS	Q2	Co Author
21	Structural health monitoring (SHM) on high stress loading of wing bracket	Advanced Research in Applied Mechanics	2289-7895	27	1	16-22	2016		Journal			Co Author
22	Mechanical behavior of Kenaf/Epoxy corrugated sandwich structures	IOP Conference Series: Materials Science and Engineering	17578981 1757899X	100	1		2015	0.2	Conferences and Proceedings	WOS		Co Author
23	A Preliminary Study on the Learning Perspective at Malaysia's Government Technical Department	Applied Mechanics and Materials	16609336				2015		Book Series	SCOPUS		Co Author
24	Conceptual framework for development of an instrument to measure students' CNC machining skill	IEEE International Conference on Teaching and Learning in Computing and Engineering (LATICE 2014)				182-185	2014		Journal	SCOPUS		First UTM Author
25	Design of ultrasonic compaction tool for powder metallurgy	Applied Mechanics and Materials	16609336		465-466	1016-1020	2014		Book Series	SCOPUS		First Author
26	Effectiveness of enterprise resource planning system in supporting the lean manufacturing	Applied Mechanics and Materials	16609336	315			2013		Book Series	SCOPUS		First UTM Author

27	Human Factor Issue in Quality Management	Jurnal Teknologi	21803722 01279696	59		35-308	2012	0.18	Journals	SCOPUS	Q2	First UTM Author
28	Delaminating Control on Drilling the Medium Density Fiber Board with Robust Optimization	Jurnal Teknologi	21803722 01279696	59		99-103	2012	0.18	Journals	SCOPUS	Q2	Co Author
29	Finite element modelling in ultrasonic sheet metal forming	Advanced Materials Research	10226680	445		3-8	2012		Book Series	WOS		Corresponding
30	Optimizing the sintering parameter of metal injection molding compact using robust engineering technique	Advanced Materials Research	10226680	445		357-361	2012		Book Series	SCOPUS		Co Author
31	Verification of interface friction of radial ultrasonic compression using FE simulation	Journal of Applied Sciences		11	9	1600-1605	2011			SCOPUS		Corresponding
32	Injection moulding temperature and powder loading influence to the metal injection moulding (MIM) green compact	Scientific Research and Essays	19922248	6	21	4532-4538	2011		Journals	SCOPUS		Co Author
33	Multiple performance optimization for the best metal injection molding green compact	Journal of Applied Sciences		11	9	1663-1667	2011			SCOPUS		Co Author
34	Application of the Grey-Taguchi Method to the Optimization of Metal Injection Molding (MIM) Process	Key Engineering Materials	10139826	443		63-68	2010	0.18	Book Series	SCOPUS	Q3	Co Author
35	A finite element model of ultrasonic extrusion	Journal of Physics: Conference Series	17426588 17426596	181	1		2009	0.23	Conferences and Proceedings	WOS		Corresponding
36	Information Literacy of Engineering Students: A Case Study	IEEE Explore (ICEED2009 Malaysia)	97814244-48432			143-147	2009			SCOPUS		Co Author
37	Modelling the effects of superimposed ultrasonic vibrations on tension and compression tests of aluminium	Journal of Materials Processing Technology	09240136 18734774	18		179-190	2007	4.79	Journals	WOS	Q1	First Author
38	Superimposed ultrasonic oscillations in compression tests of aluminium	Ultrasonics	18749968 0041624X	44		511-515	2006	0.97	Journals	WOS	Q1	First Author

39	Ultrasonic compression tests on aluminium	Applied Mechanics and Materials	16609336	3-4		99-104	2005		Book Series	WOS		First Author
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## H INDEX

**SCOPUS=6 , GOOGLE SCHOLAR=8**

## PROCEEDINGS/CONFERENCE

1. Fazarizul Hashidi Muhamad Pauzi, Mohd Yusof Md Daud, Ahmad Yusri Mohamed, A Review of Technology Related Services in Creating Value Proposition for LRT Operator, *Proceedings of International Conference on Engineering Business Management (ICEBM2019)*, August 2019.
2. Noor'Ain Zainal Abidin, Mohamad Syazli Fathi, Mohd Yusof Md Daud and Harmi Izzuan Baharum, *A Game Based Learning for Sustainable Project Management Training: A Preliminary Survey*, 1st International Conference on Sustainable Infrastructure And Engineering 2017, Kuala Lumpur, Malaysia, 10 Oct 2017.
3. N. A. D. Muhalim, Y. Daud, M. Z. Hassan, S. Sarip, N. A. Raman., S. A. Aziz, *Mechanical properties of quasi-static and ultrasonic compression of copper tube*, Advanced Processes and Systems in Manufacturing International Conference 2016 (APSIM 2016), Kuala Lumpur, 28- 30 Aug 2016.
4. Mohamad Syazli Fathi, Noor'Ain Zainal Abidin, Mohd Yusof Md Daud and Harmi Izzuan Baharum, *Project Manager's Competency: Current Context*, International Graduate Conference on Engineering, Science and Humanities (IGCESH 2016), Universiti Teknologi Malaysia, Johor Bahru, Malaysia, 15-17 August 2016.
5. Mohamad Syazli Fathi, Abdul Karim Mirasa, Shuib Rambat, Dr Siti Uzairiah Tobi, Yusof Daud, Mohd Zulakhmar Zakiyudin, Nor A'ini Rajab, *Context-specific information delivery for building maintenance of institutions of higher education in malaysia*, NAPREC Conference, Malaysia, 28 September 2016.
6. M. Z. Shamsudin, M. Y. M. Daud, *Development and Validation of Work Movement Task Analysis: Part 2*, International Conference on Mechanical and Manufacturing Engineering 2015 (ICME 2015), Johor, Malaysia, 19-20 Oct 2015.

7. M. Y. M. Daud, N. Muhalim, *Static and ultrasonic compaction of powder metallurgy*, International Conference on Mechanical and Manufacturing Engineering 2015 (ICME 2015), Johor, Malaysia, 19-20 Oct 2015.
8. M. Z. Shamsudin, M. Y. Daud, *Development and Validation of Work Movement Task Analysis: Part 1* International Conference Innovation Challenges in Multidisciplinary Research & Practice 2014 (ICMRP 2014), Kuala Lumpur Malaysia, 17-18 Dec 2014.
9. Shahril Bin Noh, Mohd Yusof Bin Md. Daud, Rosmah Binti Ali, Conceptual framework for development of an instrument to measure students' CNC machining skill, IEEE International Conference on Teaching and Learning in Computing and Engineering (LATICE 2014), 2014.
10. Shamsul Sarip, Mohamad Zaki Hassan, Norazmein Abdul Raman, Sa'ardin Abdul Aziz, Mohd Yusof Md Daud and Mohd Azman Zainul Abidin, *Micro hydro power generation in rural and remote areas: a development of crossflow turbine*, National Conference on Royal Belum 2014, Perak, Malaysia, 09-10 Dec 2014.
11. Mohamad Syazli Fathi, Noor'Ain Zainal Abidin, Mohd Yusof Md Daud and Harmi Izzuan Baharum, *Instilling Good Project Management Culture In Malaysia's Technical Organizations*, The 13th Annual Research Conference on Advancement in Business, Science and Technology, (ARC 2014), Istanbul, Turkey, 2014.
12. Y. Daud; N.A. Raman; S.A. Aziz; K.R. Jamaludin, *Design of ultrasonic compaction tool for powder metallurgy*, 4th Mechanical and Manufacturing Engineering (ICME 2013), Bangi-Putrajaya, Malaysia 17-18 Dec 2013.
13. Pang Chee Kong, Yusof Daud, *Effective of enterprise of resource planning system in supporting the lean manufacturing*, International of Mechanical & Manufacturing Engineering (ICME 2012), Universiti Tun Hussein Onn Malaysia, 20-21 Nov. 2012.
14. Mohd Yusof Md Daud, Khairur Rijal Jamaludin, Jeyanthi Vengatta Raman, *Case study on the human factor improvement on the quality management in a semiconductor industry*, Advanced Processes and Systems in Manufacturing (APSIM 2011), Kuala Lumpur, Malaysia, 2011.
15. Khairur Rijal Jamaludin, Mohd Shahrman Adenan, Mohd Yusof md Daud, *Minimizing delaminating on medium density fiber board by taguchi method*, 14th International Conference on Advances in Materials and Processing Technologies (AMPT 2011), Istanbul, Turkey, 2011.
16. Khairur Rijal Jamaludin, Norhamidi Muhamd, Mohd Bizam Abd Rahman, Sufizar Ahmad, Mohd Halim Irwan Ibrahim, Nor Hafiez Mohd Nor, Mohd Yusof Md Daud, *Optimizing the Sintering Parameter of metal Injection Molding Compact Using Robust Engineering Technique*, 14th International Conference on Advances in Materials and Processing Technologies (AMPT 2011), Istanbul, Turkey, 2011.
17. Mohd Yusof Md Daud, Margaret Lucas, Khairur Rijal jamaludin, *Finite element modeling in sheet metal forming*, 14th International Conference on Advances in Materials and Processing Technologies (AMPT 2011), Istanbul, Turkey, 2011.
18. Jamaludin, K.R., Muhmad, N., Mohamad Nor, M.N.H., Irwan Ibrahim, M.H., Daud, Y., *Design of experiment on the sintering of SS316L gas atomised MIM compact*, 4th Malaysian Powder Metallurgy & Malaysian Metallurgical Conference 2010 (MMC 2010), Penang, Malaysia, 2010.
19. Daud,Y., Lucas, M., Jamaludin, K.R., Anis, S.F., *Analysis of surface deformation under static and ultrasonic compression of aluminium*, 4th Malaysian Powder Metallurgy & Malaysian Metallurgical Conference 2010 (MMC 2010), Penang, Malaysia, 2010.
20. Jamaludin, K. R., Rahman, M. N. A., Ahmad, S., Ibrahim., M. H. I., Nor, N. H. M., Harun, M. R., Daud, Y., *Multiple performance optimization for the best metal injection molding (MIM) green compact*, International Conference on Plant Equipment and Reliability (ICPER 2010), Kuala Lumpur, Malaysia, 2010.

21. Daud, Y., Lucas, M., Jamaludin, K. R., *Verification of Interface Friction of Radial Ultrasonic Compression using FE Simulation*, International Conference on Plant Equipment and Reliability (ICPER 2010), Kuala Lumpur, Malaysia, 2010.
22. Ali, R., Hassan, N. A., Md Daud, M.Y., *Information Literacy of Engineering Students: A Case Study*, IEEE International Congress on Engineering Education (ICEED 2009), Kuala Lumpur, Malaysia, 2009.
23. Ali, R., Hassan, N. A., Daud, Y., *Information and Communications Technology Skills in Engineering Education*, International Conference on Engineering and Education in the 21st Century, Kuching, Sarawak, Malaysia, March 2009.
24. Daud, Y., *Finite element modelling of radial ultrasonic compression of aluminium*, Malaysian Science and Technology Congress 2008, Kuala Lumpur, December 2008.
25. Daud, Y., Lucas, M., *Longitudinal and radial ultrasonic compression on aluminium under different lubrication conditions*, Word Engineering Congress (WEC) 2007, Penang, Malaysia, 5-9 August 2007.
26. Daud, Y., Lucas, M., *Finite element modelling of ultrasonic extrusion*, International Congresses on Ultrasonics Merged with Ultrasonics International, Vienna, Austria, April 2007.
27. Lucas, M., Daud, Y., Huang, Z., *Ultrasonic compression tests on aluminium*, British Society for Strain Measurement International Conference on Advances in Experimental Mechanics, Southampton, UK, September 2005.
28. Daud, Y., Lucas, M., Huang, Z., *Superimposed ultrasonic oscillations in compression tests of aluminium*, World Congress in Ultrasonic Merged with Ultrasonics International, Beijing, China, August-September 2005.
29. Lucas, M., Daud, Y., *Ultrasonic upsetting tests on aluminium*, Ultrasonics Industries Association Symposium, Las Vegas, USA, March 2005.

## **THESIS**

1. Mohd Yusof Md Daud, *Experimental and Finite Element Investigation of Ultrasonic Metal Forming Application*, PhD Thesis, University of Glasgow (2006)
2. Mohd Yusof Md Daud, *Study on the Application of Thermal Spray Technique for Abrasion Purposes*, Thesis, M. Sc (Materials Engineering), Universiti Sains Malaysia (2000)

## BOOK CHAPTER

1. Mohd Yusof Md Daud, Norazmein Abd Raman, *Ultrasonic Compaction of Stainless Steel Powder Metallurgy*, Materials and Testing of Mechanical Engineering (Book Chapter), Penerbit UTM Press, 2016, pp. 21-32, ISBN 9789835212468.
2. Daud, Y., Lucas, M., *Chapter 3: Estimation of interface friction during radial ultrasonic compression using finite element modeling*, Advances in mechanical, manufacturing and materials engineering, Penerbit UTM, 2008, ISBN 9789835205637.

## EXPERT REPORT

1. H.S. Hamzah, K.R. Jamaludin, M.Y. Daud, S.K.H.S.A. Bokharey, and S.N.M. Salim, Development of a technopreneurship readiness profiling tool for Industry 4.0, MTDC Research Project, Remanufacturing, Sustainable Production and Enterprise Center (RESPECT), Genichi Taguchi Quality and Sustainability Center, Razak Faculty of Technology and Informatics (formerly known as Razak School), Universiti Teknologi Malaysia (UTM), 2019.
2. Mohd Yusof Md Daud, Mohamad Zaki Hassan, Shamsul Sarip, Saardin Abdul Aziz, Research-based Foundation of Sustainable Agriculture Entrepreneurship: Close and Open Chicken Coop – A Literature Review, Lembaga Kemajuan Terengganu Tengah (KETENGAH)-UTM, 2019.
3. Mohamad Syazli Fathi, Abdul Karim Mirasa, Mohd Zulakhmar Zakiyudin, Shuib Rambat, Siti Uzairiah Tobi, Yusof Daud and Nor A'Ini Rajab, Ontext-Specific Information Delivery for Building Maintenance of Institutions of Higher Education in Malaysia, Agreement no: NAPREC (R&D) 18/12, 2015.
4. Petron Structural Simulation and Technical analysis Report, Aroma UTM-Petron, 2016.
5. Kinesthetic Approach to Validate Work Movement Task Analysis Observational, Reserach University Grant Report, 2016.
6. Design of Ultrasonic Horn for Powder Metal Compaction, Razak School Reserach Grant Report, 2014.
7. Simulation of Static and Ultrasonic Compression, SEED Research Grant Report, 2012.
8. Context-Specific Information Delivery for Building Maintenance of Institution of Higher Education In Malaysia, Research Grant Report, NPAREC Eastate Reserch Fund, 2012.



## PLENARY/CHAIRPERSON/ORAL POSTER PRESENTER/KEYNOTE ADDRESS / INVITED GUEST SPEAKER

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION
1	Chairperson	International Conference Advancement in Materials Processing Technology (AMPT2011)20	2011	Istanbul, Turkey
2	Chairperson	International Conference on Mechanical and Manufacturing Engineering 2013 (ICME2013)	17-18 Dec 2013	Equatorial Hotel, Bangi

## PROFESSIONAL SERVICES

### CONSULTATION AND TRAINING

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION	TOTAL INCOME GENERATED (RM)
1	Trainer	Training in Manufacturing Process and Technology Proton Sdn Bhd.	9-10 Nov 2020	Proton Sdn Bhd.	1,000
2	Lecturer	Lecture on Professional Diploma in Construction Management KLIA Collage - CIDB	2017	KLIA College, Sepang	1,000
3	Leader	Development New Blue Sky Project, Voith Paper Fabric Malaysia Sdn Bhd.	2016-2017	Voith Paper Fabric Malaysia Sdn Bhd. Ipoh	-
4	Leader	Petron Tank Structural Simulation and Technical Analysis Report	Sep 2016	Petron Sdn Bhd, Port Dickson	20,000
5	Auditor/Moderator	Course Moderator/Auditor for UTMSPACE Join Programme	2010-2019	Joined Colleges of UTMSPACE	500 per session
6	Trainer	Boiler Certification Courses Training	2008-2010	Kuala Lumpur	1000 per session

## ENTREPRENUERSHIP

NO	SPIN OFF COMPANY (UTM)	TOTAL INCOME GENERATED (RM) (individual equity value based on audited company account in 3 years)
1	ARUS INFINITI SDN BHD (Reg. No: 1236477 – P)	RM20,000

NO	1.HICOE management/agency 2. Board of Director or 3. Management for Corporation Entity	Average acquisition in 3 years.
1	Board of Director ARUS INFINITY SDN BHD	RM20,000

## COMMUNITY PROJECT

NO	ROLE	NAME OF PROJECT	DATE	TOTAL VALUE OF PROJECT (RM)
1	Member	Oil Palm Fruit Loading using Automatic Loader	2018	46,00
2	Member	Membangunkan Mikro Turbin Banki Secara Lestari bagi Mempertingkatkan Taraf Hidup serta Eko-Pelancongan di Kampung Sungai Tiang, Taman Negeri Royal Belum	2017	100,00

## COMMUNITY AND UNIVERSITY SERVICES

NO	ROLE	TITLE OF PROGRAMME	DATE	LEVEL	LOCATION
1	Head of Bureau	Badan Kebajikan Razak Faculty	2020 - Now	Faculty	UTM Kuala Lumpur
2	Deputy Chairman	Committee of Surau Al-Hidayah, Kg Nakhoda Batu Caves, Selangor Darul Ehsan	2020 - Now	Community	Selangor
3	Committee Member	Committee of Surau Al-Hidayah, Kg Nakhoda Batu Caves, Selangor Darul Ehsan	2010 - 2019	Community	Selangor
4	Secretary General	Committee of Surau Al-Hidayah, Kg Nakhoda Batu Caves, Selangor Darul Ehsan	2010 - 2013	Community	Selangor
5	Committee Head	Social and Religious, Malaysian Student Club, Glasgow UK	2005-2006	International	Glasgow, United Kingdom
6	Head of Youth	Malaysian Student Club, Glasgow UK	2004-2005	International	Glasgow, United Kingdom

## ENDOWMENT AND WAKAF TO UNIVERSITY

NO	NAME OF ENDOWMENT AND WAKAF	TOTAL CONTRIBUTION (RM)
1	UTM Endowment Contribution (Potongan Gaji)	RM10 per Month (2017 – Now)

## PATENT GRANTED AND FILING

NO	NAME OF PATENT	STATUS OF PATENT	DATE
1	Apparatus Ultrasonic Tension Test	MyIPO, Patent number: PI 2009 2120	25 <sup>th</sup> May 2009

## COPYRIGHT

NO	NAME OF COPYRIGHT	STATUS OF COPYRIGHT	DATE
1	Solar Mud-Mobile	Approved (Copyright)	May 2018
2	Work Measurement Task Analysis	Approved (Copyright)	January 2018
3	Micro-Hydro Turbine Design	Approved (Copyright)	April 2016
4	An Instrument to Measure ICT User-Skill for Engineering Learning	Approved (Copyright)	May 2013