



PERSONAL DETAILS

Name : HANIFAH BINTI JAMبارI
Gender : FEMALE
Nationality : MALAYSIA
Marital Status : MARRIED
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 Skudai, Johor
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Website : <https://people.utm.my/hanifah/>

Expertise : Technical and Vocational Education, Special Needs
 Education, Engineering Education, Electrical Engineering,
 STEM

H-Index (WOS) :7
<https://www.webofscience.com/wos/author/record/1315418>

H-Index (SCOPUS) :8
<https://www.scopus.com/authid/detail.uri?authorId=12762883900>

H-Index (G. Scholar) :11
<https://scholar.google.com/citations?user=7VILpyQAAAAJ&hl=en>

H-Index (Researchgate) :7
<https://www.researchgate.net/profile/Hanifah-Jambari-2>

ACADEMIC QUALIFICATIONS

NO	LEVEL OF EDUCATION	COURSE	UNIVERSITY
1	Doctor of Philosophy	Electrical Engineering	UTM
2	Master of Education	Technical Education	UTM
3	Advanced Diploma (Bachelor of Engineering)	Electrical	UiTM
4	Diploma	Electrical Engineering	UTM

AWARD AND HONORS RECEIVED

Summary	
International Awards/Honors	11
National Awards/Honors	3
UTM Awards/Honors	42
Faculty Awards/Honors	8

NO	AWARD	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	YEAR
1	Gold Medal in International Thinker Innovation and Entrepreneurship Challenge (UiTM) - Blink Stick with LED and Ultrasonic Sensor	International	2025
2	Gold Medal in International Thinker Innovation and Entrepreneurship Challenge (UiTM) – Universal PLC Trainer	International	2025
3	Gold Medal in International Competition in Education- Problem Oriented Project Based Learning for Innovative Invention	International	2024
4	Silver Medal in the NALI Exhibition and Competition - Project Oriented Cooperative Based Learning (Pocobl) For Invention Project	International	2024
5	Bronze Medal in International Competition in Education-- Blink Stick with Ultrasonic Sensor	International	2024
6	Bronze Medal in the NALI Exhibition and Competition - Future-Ready: Revolutionizing Service-Learning With Techfusion	International	2024
7	Anugerah Penulis Jurnal Berindek	Fakulti	2024
8	Anugerah Penyelaras Program	Fakulti	2024
9	Anugerah Perkhidmatan Cemerlang (Kategori Terbilang)	Fakulti	2024
10	Award of Excellence Active Blended Learning- SHPE2302- 01 Application of Electrical and Electronics Technology	UTMLead	2024

11	Award of Excellence Active Blended Learning- SHPE2302- 02 Application of Electrical and Electronics Technology	UTMLead	2024
12	Award of Excellence Active Blended Learning- SHPE2302- 03 Application of Electrical and Electronics Technology	UTMLead	2024
13	Award of Excellence Active Blended Learning- SPPE3272-Electrical Motor Control	UTMLead	2024
14	Award of Excellence Active Blended Learning- SHPL1332- Electronic and Measurement Laboratory	UTMLead	2024
15	Award of Excellence Active Blended Learning -SHPE1332-Basic of Electronics Technology	UTMLead	2024
16	Award of Excellence Active Blended Learning- MHPV2213-Model Pengajaran Dalam PTV	UTMLead	2024

NO	AWARD	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	YEAR
1	Award of Excellence Active Blended Learning- SHPE2112- Computer Assisted Engineering Drawing	UTMLead	2023
2	Award of Excellence Active Blended Learning- SPPE2302- Application of Electrical and Electronics Technology	UTMLead	2023
3	Award of Excellence Active Blended Learning- SHP3802- Electronic Circuit Design	UTMLead	2023
4	Best Paper Award	International	2022
5	Anugerah Penerbitan (Anugerah Jurnal Berindex)	UTM	2022
6	Anugerah Akademia PIS	National	2022
7	Award of Excellence Active Blended Learning- SPPE3272-Electrical Motor Control	UTMLead	2022
8	Award of Excellence Active Blended Learning- SHPE1012-Basic Trade	UTMLead	2022
9	Anugerah Perkhidmatan Cemerlang	Fakulti Sains Sosial dan Kemanusiaan	2021
10	Silver Medal- The Effectiveness of STEM Interest Infusion Program	Fakulti Sains Sosial dan Kemanusiaan	2021
11	Award of Excellence Active Blended Learning- SPPE3272-Electrical Motor Control	UTMLead	2021
12	Award of Excellence Active Blended Learning- SHPL1332- Electronic and	UTMLead	2021

	Measurement Laboratory		
13	Award of Excellence Active Blended Learning- UKQF2672-Swimming	UTMLead	2021
14	Award of Excellence Active Blended Learning- SHPE2012-Teaching Method in TVE	UTMLead	2021
15	Award of Excellence Active Blended Learning- SHPE2112- Computer Assisted Engineering Drawing	UTMLead	2021
16	Award of Excellence Active Blended Learning- SPPE3022- Industry Technical and Vocational Education	UTMLead	2021
17	Anugerah Perkhidmatan Cemerlang	Citra Karisma Universiti	2020
18	Anugerah Perkhidmatan Cemerlang	Fakulti Sains Sosial dan Kemanusiaan	2020
19	Best Category in Electrical and Electronics Engineering- Organic Compost Fertilizer Processing Machine for Small & Medium Industries	International Creative and Innovative Product Exhibition	2020
20	Best Country Malaysia Award - Organic Compost Fertilizer Processing Machine for Small & Medium Industries	International Creative and Innovative Product Exhibition	2020
21	Gold Award - Organic Compost Fertilizer Processing Machine for Small & Medium Industries	International Creative and Innovative Product Exhibition	2020
22	Silver Medal in the NALI Exhibition and Competition- Conceive-Design-Implement-Operate for Innovative Invention project	UTMLead	2020
23	Award of Excellence Active Blended Learning- SPPE2112- Computer Assisted Engineering Drawing	UTMLead	2020
24	Award of Excellence Active Blended Learning- UHAK1012- Graduate Success Attribute	UTMLead	2020
25	Award of Excellence Active Blended Learning- SPPE2302- Application of Electrical and Electronics Technology	UTMLead	2020
26	Award of Excellence Active Blended Learning- MPPV1313-Model of Teaching	UTMLead	2020
27	Anugerah Perkhidmatan Cemerlang	Fakulti Sains Sosial dan Kemanusiaan	2019
28	Award of Excellence Active Blended Learning-MPPV1323-Penyelidikan dalam PTV	UTMLead	2019
29	Award of Excellence Active Blended Learning- UHAS2122-Pemikiran Kritis dan Kreatif	UTMLead	2019
30	Award of Excellence Active Blended Learning- MPPV1313-Model Pengajaran Dalam PTV	UTMLead	2019
31	Award of Excellence Active Blended Learning- SPPE2112- Computer Assisted Engineering Drawing	UTMLead	2019

32	Silver Medal in the NALI Exhibition and Competition- Conceive-Design-Implement-Operate for knowledge and skills for Innovative capstone project	UTMLead	2019
33	Brown Medal in the NALI Exhibition and Competition- Exchanging Spatial Ability through solid pair Problem based Learning Approach	UTMLead	2019
34	Anugerah Perkhidmatan Cemerlang	Fakulti Sains Sosial dan Kemanusiaan	2018
35	Award of Excellence Active Blended Learning -MPPV1323- Supervision in TVE	UTMLead	2018
36	Award of Excellence Active Blended Learning -MPPV1313-Model of Teaching	UTMLead	2018
37	Award of Excellence Active Blended Learning -SPPE2323-Basic Electrical Motor Control	UTMLead	2018
38	Brown Medal in the NALI Exhibition and Competition -An Evaluation on students perspective towards Kelab Suka Belajar UTM	UTMLead	2018
39	Award of Excellence Active Blended Learning -MPPV1323- Supervision in TVE	UTMLead	2018
40	Silver Medal - PLCnumatic1EDEJ5153 Trainer	International Invention, Innovation & Design Competition	2017
41	Gold Medal di Pameran Poster Inovasi Jabatan Matematik Sains dan Komputer – PLCu-mMatic Trainer	Politeknik Ibrahim Sultan Pasir Gudang	2017
42	Award of Excellence Active Blended Learning – SPPE2112-Computer Assisted Engineering Drawing	UTMLead	2017
43	Award of Excellence Active Blended Learning -SPPE1332-Basic of Electronics Technology	UTMLead	2017
44	Anguerah Inovasi Pengajaran di Creative Technology Entrepreneurial Conference Politeknik Ibrahim Sultan	National	2016
45	Award of Excellence Active Blended Learning -SPPE2112 Computer Assisted Engineering Drawing	UTMLead	2016
46	Award of Excellence Active Blended Learning -SPPE1022- Engineering Drawing 1	UTMLead	2016
47	Silver Medal Award in 15 th Industrial Art and Technology Exhibition (INATEX)	UTM Skudai	2013
48	Bronze Award in Program Kolokium Penyelidikan dan Inovasi Peringkat Zon Selatan: Valid-8 Teaching and Learning.	Politeknik Ibrahim Sultan	2013

WORKING EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ORGANISATION
1	Associate Professor	14 January 2016	Until now	Department of Advanced Technical and Vocational Education and Training, Faculty of Educational Sciences and Technology, Universiti Teknologi Malaysia, Skudai, Johor
2	Lecturer	16 August 2001	13 January 2016	Department of Electrical Engineering, Politeknik Ibrahim Sultan (PIS), Pasir Gudang, Johor
3	Tutor	19 August 1996	10 July 1999	Pusat Pengajian Diploma Universiti Teknologi Malaysia Jalan Semarak, Kuala Lumpur
4	Engineer	January 1995	June 1996	Johor Coporation, Johor Bahru
5	Temporary Teacher (Guru Sandaran)	1 st January 1993	30 June 1993	Sekolah Menengah Yong Peng, 83700 Yong Peng, Johor
6	Technician	July 1992	December 1992	PNB PCB Sdn. Bhd, Perindustrian Tebrau, Johor

PROFESSIONAL MEMBERSHIP / QUALIFICATIONS / RECOGNITION

Summary	
International Professional Membership / Qualifications / Recognition	2
National Professional Membership / Qualifications / Recognition	3

NO	NAME OF PROFESIONAL MEMBERSHIP	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	ROLE	YEAR
1	International Association of Engineers (IEANG)	International	Member	2010-Until Now
2	Asean Academic Society of Vocational and Training (ASSVET)	International	Member	2018-2020
3	Institution of Engineers Malaysia (IEM)	National	Member	25 June 2010-Until Now
4	Persatuan Kedoktoran Teknikal Malaysia	National	Member	1.7.2018-until now
5	Persatuan Pendidikan Sains Dan Matematik Johor	National	Member	31.7.2025

ADMINISTRATIVE EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT
1	Program coordinator for Bachelor of Technology with Education (Electrical and Electronics Engineering) with Honours	1.3.2017	31.12.2025	Faculty of Educational Sciences and Technology
2	Ahli Jawatankuasa Projek Sarjana Muda (Psm) Fakulti Sains Pendidikan Dan Teknologi	1.1.2022	31.12.2025	Faculty of Educational Sciences and Technology
3	Ahli Jawatankuasa Penyelidikan Fakulti Sains Pendidikan Dan Teknologi	1.1.2025	31.12.2025	Faculty of Educational Sciences and Technology
4	Ahli Jawatankuasa Pentaksiran Fakulti Sains Pendidikan Dan Teknologi	1.1.2025	31.12.2025	Faculty of Educational Sciences and Technology
5	Ahli Jawatankuasa Alumni Fakulti Sains Pendidikan Dan Teknologi	1.1.2025	31.12.2025	Faculty of Educational Sciences and Technology
6	Sub Group Leader Program Future Ready Educators (FREE)	1.1.2020	31.12.2021	School of Education, Faculty of Social Sciences and Humanities
7	Program coordinator SHPE1332 Asas Teknologi Elektronik	7.3.2021	31.7.2024	Technical and Engineering Education, School of Education, Faculty of Social Sciences and Humanities
8	Program coordinator SHPE2302 Aplikasi Teknologi Elektrik dan Elektronik	1.9.2021	30.7.2025	Technical and Engineering Education, School of Education, Faculty of Social Sciences and Humanities
9	Head of Laboratory (AUTOCAD)	1.1.2021	31.12.2025	Technical and Engineering Education, School of Education, Faculty of Social Sciences and Humanities
10	Head of Laboratory (Elektronik)	1.1.2021	30.6.2022	Technical and Engineering Education, School of Education, Faculty of Social Sciences and Humanities

CONSULTANCY EXPERIENCE

Summary	
Consultation Project-UTM	3 projects (RM 125,727.20)
Consultation Project- Others	5 projects (RM 51,210.00)

No	Year	Title	Value	Vot
1	2023	Projek Kesedaran dan Penjimatan Tenaga Elektrik MBIP 2.0	RM18000.00	Vot: 4L962
2	2021	Projek Kesedaran dan Penjimatan Tenaga Elektrik MBIP 1.0	RM11000.00	Vot:4L954
3	2020	Perunding Projek: Introduction to Data Collection Politeknik	RM6800.00	Vot:1778
4	2019	Program Pelajar Minat STEM Majlis Bandaraya Johor Bahru	RM10000.00	UTIM75
5	2019	UTM International SIT IN Teaching and Learning Peer Coaching Module	RM51000.00	UTIM77
6	2018	Full-Bright Hays Group Protect Abroad UTM-Pennsylvania State USA	RM 41577.20	GTIM45
7	2018	Program STEAM Perpustakaan Sultan Ibrahim Majlis Bandaraya Johor Bahru	RM5410.00	UTM.J.31/10.14L1Jld.7(79)
8	2018	Program Study Visit Universitas Negeri Surabaya (UNESA)-UTM	RM33150.00	GTIM 31

INTERNATIONAL/NATIONAL APPOINTMENT COMMITTEE

Summary	
International Committee	23
National Committee	14

International

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Jawatankuasa 6th Technical and Vocational Education and Training International Conference 2021	Ahli Jawatankuasa	1.2.2025	30.11.2025
2	International Competition in Education (IICE)	Ahli Jawatankuasa	12.7.2024	17.7.2024
3	International Association of Engineers (IEANG)	Member	1.1.2010	31.12.2023
4	Persidangan Antarabangsa Pendidikan Teknikal Dan Vokasional Ke-5 (TVETIC 2023)	Ahli Jawatankuasa	1.2.2023	30.11.2023
5	The International Conference on Research in Engineering and Social Science 2021 (IRES2'21)	Penilai Kertas Pembentangan	29.7.2021	30.7.2021
6	The International Journal of	Penilai Jurnal Berindex	21.1.2021	8.2.2021

	Electrical Engineering & Education			
7	Asian Journal of Agricultural Extension, Economics & Sociology	Penilai Jurnal	5.8.2021	10.8.2021
8	Archives of Current Research International.	Penilai Jurnal	11.2.2021	20.2.2021
9	Journal of Technical Education and Training	Penilai Jurnal Berindex	1.7.2021	18.7.2021
10	Jawatankuasa 4th Technical and Vocational Education and Training International Conference 2021	Ahli Jawatankuasa	20.6.2021	25.11.2021
11	Journal of Technology and Management Business	Penilai Jurnal	1.12.2020	31.12.2020
12	Regional Conference in Engineering Education (RCEE) & Research in Higher Education (RHED) 2020	Reviewer	29.9.2020	30.9.2020
13	International Journal of Electrical Engineering Education	Penilai Jurnal Berindex	26.3.2020	9.4.2020
14	Virtual International Conference on Ubiquitous Education and Learning (VICUEL 2020)	Penilai Jurnal	9.9.2020	20.9.2020
15	Journal of Technical Education and Training (Entrepreneurship Education: The Learning and Teaching Conundrum in The Transnational Context)	Penilai Jurnal	22.7.2019	22.7.2019
16	6th International Post Graduate Conference	Ahli Jawatankuasa dan Penilai Jurnal	2.12.2019	3.12.2019
17	2nd Digitalised International Invention, Innovation & Design (Diiid) 2019	Juri	16.7.2019	26.7.2019
18	Jawatankuasa Program Kerjasama UTM-UNESA Indonesia	Ahli Jawatankuasa	7.1.2018	17.1.2018
19	Jawatankuasa 5th International Post Graduate Conference	Ahli Jawatankuasa, Moderator dan Penilai Jurnal	10.12.2018	11.12. 2018
20	Jawatankuasa 3th Technical and Vocational Education and Training International Conference 2021	Ahli Jawatankuasa	26.11.2018	27.11.2018
21	International Creative Evaluation Competition Politeknik Ibrahim Sultan	Penilai	4.9.2018	9.9.2018
22	1st Digitalised International Invention, Innovation & Design (Diiid) 2019	Juri	28.8.2018	28.8.2018
23	Journal of Technical Education and Training	Penilai Jurnal Berindex	12.10.2018	12.10.2018

National

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Koperasi Pembangunan Pengguna Islam Malaysia Berhad (Koppim)	Member	17.7.2021	31.12.2025
2	National Technology Research in Engineering, Design, Social Science Conference 2021	Pakar Rujuk	1.9.2021	2.9.2021
3	Pertandingan Video Sains Peringkat Kebangsaan Tahun 2021	Juri	1.8.2021	31.8.2021
4	Symposium On Teaching and Learning Practices in Electrical Engineering 2021	Reviewer	15.6.2021	20.6.2021
5	Kertas Penyelidikan Bagi Seminar Pembelajaran Sepanjang Hayat (SPSH 2021) Peringkat Kebangsaan	Reviewer	8.6.2021	22.6.2021
6	Program Malaysian Youth Upcycle Challenge (MY YUC) 2020/2	Panel Hakim	18.1.2021	7.2.2021
7	Institution of Engineers Malaysia (IEM)	Member	25.6.2010	Until Now
8	Persatuan Kedoktoran Teknikal Malaysia	Member	1.11.2016	Until Now
9	Board of Engineers Malaysia (BEM)	Member	1.3.1997	Until now
10	Cabaran 3 Minit Video STEM	Panel Juri	14.11.2020	26.11.2020
11	Jurnal Persatuan Pendidikan Teknik Dan Vokasional Malaysia	Reviewer	20.5.2020	2.6.2020
12	National Conference on Research and Education (NaREC)	Reviewer	14.9.2018	14.9.2018
13	Persatuan Pendidikan Sains dan Matematik Johor (PPSMJ)	Member	14.5.2017	31.12.2017
14	Jurnal Persatuan Pendidikan Teknik Dan Vokasional Malaysia	Editor	2.7.2016	31.7.2016

University

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	FRGS 2025	Panel Penilai	31.1.2025	09.02.2025
2	Badan Kebajikan Staf UTM (Bakes)	Member	1.1.2019	Until now
3	Program UTM GOLD	Mentor	1.11.2022	30.4.2024
4	RACE GE UTM	Ahli Jawatankuasa	1.10.2022	30.9.2023
5	Graduate Employability OpsGE-95	Ahli Jawatankuasa	15.1.2020	29.2.2020

Faculty

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Makmal Autocad	Ketua	01.1.2021	31.12.2025
2	Jawatankuasa Pra Saswazah	Ahli Jawatankuasa	01.6.2018	31.12.2025
3	Projek Sarjana Muda	Ahli Jawatankuasa, Penyelaras Program Elektrik dan Elektronik dan Penilai Projek	01.1.2022	31.12.2025
4	Latihan Mengajar	Pensyarah Pembimbing	14.3.2021	10.07.2025
5	Alumni Fakulti Sains Pendidikan Dan Teknologi	Ahli Jawatankuasa	01.1.2025	31.12.2025
6	Pentaksiran Fakulti Sains Pendidikan Dan Teknologi	Ahli Jawatankuasa	01.1.2025	31.12.2025
7	Penyelidikan Fakulti Sains Pendidikan Dan Teknologi	Ahli Jawatankuasa	01.1.2025	31.12.2025
8	Task Force Temuduga Calon Ijazah Sarjana Muda Pendidikan (ISMP) Fakulti Sains Pendidikan Dan Teknologi	Ahli Jawatankuasa	01.1.2025	31.12.2025
9	Task Force Semakan Kurikulum Program Prasiswazah	Ketua	01.1.2025	31.12.2025
10	Anugerah Anugerah Majlis Apresiasi Fakulti Sains Sosial Dan Kemanusiaan (FSSH) 2024	Ahli Jawatankuasa	01.06.2024	20.8.2024
11	Pembangunan Fail SKM Pelajar	Ahli Jawatankuasa	01.11.2023	30.10.2024
12	Innovation Design Exhibition-IDEX	Juri	21.01.2024	21.01.2024
13	Task Force Temuduga Calon Ijazah Sarjana Muda Pendidikan (ISMP)	Panel Penilai	20.06.2024	20.06.2024
14	Kursus Bank Proposal Frgs Dan Penyediaan Proposal Geran Dana Penyelidik Berpotensi	Mentor	27.10.2024	27.10.2024
15	Program <i>Eduvate</i>	Panel Penilai	16.01.2024	16.01.2024
16	Prosiding TVET Chapteri in Conjunction With 5th Technical and Vocational Education and Training International Conference (TVETIC)	Editor	31.12.2023	31.1.2024
17	Pertandingan Idea Inovasi	Juri	15.1.2023	16.01.2023
18	Latihan Industri	Pensyarah Pembimbing	02.8.2021	24.09.2023
19	Makmal Elektronik	Ketua	01.1.2021	30.06.2022
20	Program Minggu Sains Negara	Ahli Jawatankuasa	24.9.2022	24.09.2022
21	Program Future Ready Educators (Free)	Sub Group Leader	01.1.2020	31.12.2022
22	SHPE1332 Asas Teknologi Elektronik	Penyelaras Kursus	07.3.2021	31.07.2022
23	SHPE2302 Aplikasi Teknologi Elektrik dan	Penyelaras Kursus	01.9.2021	30.01.2022

	Elektronik			
24	Penulisan Bab Metodologi dan Pembangunan Instrumen Kajian	Moderator	28.12.2021	28.12.2021
25	Task Force Anugerah Kualiti Akademik (AKA 2020) Bagi Tahun 2021 Fakulti Sains Sosial Dan Kemanusiaan	Ahli Jawatankuasa	01.1.2021	31.12.2021
26	Fokus Group Penerbitan Q1&Q2 Fssk 2021	Ahli Jawatankuasa	01.1.2021	31.12.2021
27	Task Force Penyediaan Self-Assessment Report (Sar) Audit Pematuhan Program Pasca Siswazah	Ahli Jawatankuasa	01.1.2021	31.12.2021
28	Auditor Pelatih Program Akademik Fakulti Sains Sosial Dan Kemanusiaan Tahun 2021	Ahli Jawatankuasa	01.1.2021	31.12.2021
29	Jawatankuasa Projek Sarjana Muda	Ahli Jawatankuasa	01.1.2020	31.12.2021
30	Panel Temuduga Bagi Temuduga Kemasukan Program Ijazah Sarjana Muda Pendidikan (ISMP)	Panel Penilai	12.7.2021	18.7.2022
31	Research Study 1 & 2	Examiner	02.7.2017	11.2.2021
32	Jawatankuasa Pengurusan Data dan Sistem	Ahli Jawatankuasa	01.7.2018	30.6.2020
33	Jawatankuasa Alumni Fakuti	Ahli Jawatankuasa	01.1.2020	17.3.2020
34	Jawatankuasa Lawatan SMK Simpang Renggam	Ahli Jawatankuasa	11.2.2020	11.2.2020
35	Jawatankuasa Program STEM pelajar Korea ke Sekolah Pendidikan	Ahli Jawatankuasa	15.1.2019	15.1.2019
36	Hari Inovasi Sekolah Pendidikan Ke 10 Sesi 20192020-1	Juri	10.12.2019	10.12.2019
37	Jawatankuasa Education Research Colloquium UTM-UNM Indonesia	Ahli Jawatankuasa	15.4.2018	15.4.2018
38	Projek Sarjana Muda	Penyelia	02.9.2018	31.12.2018
39	Jawatankuasa Latihan Praktikal	Ahli Jawatankuasa	01.6.2018	30.06.2020
40	Jawatankuasa Journal of Research in Technical and Vocational Education (JRTVE)	Ahli Jawatankuasa	01.6.2018	30.06.2020
41	Jawatankuasa Endowmen Fakulti	Ahli Jawatankuasa	01.4.2017	31.03.2019
42	Jawatankuasa Lawatan Penanda Aras Dan Sesi Dialog Mahasiswa UTM	Ahli Jawatankuasa	20.4.2018	20.04.2018
43	Latihan Industri	Pensyarah Pembimbing	02.8.2021	24.09.2021
44	Latihan Mengajar	Pensyarah Pembimbing	11.2.2018	26.02.2018
45	Jawatankuasa Pelaksana Kolokium Pendidikan Nusantara	Ahli Jawatankuasa	26.3.2018	26.03.2018
46	Jawatankuasa Seminar Transformasi Pendidikan Menuju Abad Ke 21	Ahli Jawatankuasa	29.11.2018	29.11.2018

	UTM-PADU-JPNJ			
47	Jawatankuasa Kolokium Antarabangsa SoE-UPGRIS	Ahli Jawatankuasa	12.11.2018	12.11.2018
48	Prosiding Isu-isu pendidikan Kontemporari	Editor	28.5.2018	29.05.2018
49	Hari Inovasi SOE	Juri	23.5.2018	23.05.2018
50	Blended Learning Fakulti	Fasilitator	15.2.2016	14.02.2018
51	Jawatankuasa Minggu Pendidik Fakulti	Ahli Jawatankuasa	14.5.2017	18.05.2017
52	Hari Inovasi Fakulti	Juri	21.5.2017	21.05.2017
53	E-Poster Presentation	Fasilitator	26.11.2017	30.11.2017
54	Jawatankuasa E-NEWLETTER	Ahli Jawatankuasa	01.1.2017	31.12.2017
55	Jawatankuasa Intellectual Property (IP) dan Pengkomersialan Jabatan Pendidikan Teknikal dan Kejuruteraan	Ahli Jawatankuasa	01.1.2017	31.12.2017
56	Jawatankuasa Green Office	Ahli Jawatankuasa	1.12.2016	31.12.2017
57	Makmal Elektrik	Ketua	01.1.2016	31.12.2016
58	Jawatankuasa Hubungan Luar, Industri dan Masyarakat Jabatan Pendidikan Teknikal dan Kejuruteraan	Ahli Jawatankuasa	01.1.2016	31.12.2016
59	Jawatankuasa Malaysia Technology Expo (MTE)	Ahli Jawatankuasa	18.2.2016	20.02.2016
60	Hari Inovasi Fakulti	Juri	8.12.2016	08.12.2016

Community

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	STEMFINITY In Me Carnival	Pempamer	09.06.2024	09.06.2024
2	Penceramah dan Pembimbing Guru RBT Sek Menegah Agama Johor Bahru	Penceramah	03.6.2023	03.06.2023
3	Projek Kesedaran dan Penjimatan Tenaga Elektrik dengan Penukaran Lampu 36W kepada LED 18W 2.0	Ketua	01.08.2022	15.03.2023
3	Projek Kesedaran dan Penjimatan Tenaga Elektrik dengan Penukaran Lampu 36W kepada LED 18W 1.0	Ketua	01.10.2021	31.12.2021
4	Jawatankuasa Pelancaran Bangsa Johor Bahagia	Ahli Jawatankuasa	01.1.2019	31.5.2019
5	Jawatankuasa Karnival Stemorposos Kolej Matrikulasi Kejuruteraan Johor	Ahli Jawatankuasa	28.2.2019	28.02.2019
6	Program Pelajar Minat Steam Kg Melayu Majidee	Fasilitator	20.7.2019	20.07.2019
7	RCE Iskandar Sustainable & Low Carbon	Ahli	15.7.2019	15.07.2019

	Schools Exhibition	Jawatankuasa		
8	Program minggu STEM SMK Mutiara Rini	Fasilitator	18.3.2019	18.03.2019
9	Program Minggu STEM Sek Men Keb Kangkar Pulai	Fasilitator	09.4.2019	09.04.2019
10	Program Mini Karnival STEAM di Perpustakaan Sultan Ismail Permas Jaya	Fasilitator	15.8.2018	15.08.2018
11	Program STEM SMK Gelang Patah	Fasilitator	18.7.2018	18.07.2018
12	Program STEM Smk Sultan Ibrahim	Fasilitator	14.11.2018	14.11.2018
13	Kembara STEM-JPNJ	Fasilitator	10.10.2018	10.10.2018
14	Jawatan Kuasa Kelab Suka Belajar	Ahli Jawatankuasa	07.5.2017	07.05.2017
15	Program 5th Iskandar Malaysia Ecotourism Summit	Fasilitator	07.12.2016	08.12.2016
16	PUSPANITA Cawangan Kecil Politeknik Ibrahim Sultan	Ahli	1.12.2015	Until now
17	Bengkel Penulisan Ilmiah Politeknik Ibrahim Sultan	Penceramah	24.5.2016	25.5.2016

RESEARCH ACTIVITIES

Summary	
Principal Investigator- International Grants	0 projects (RM0)
Principal Investigator- National Grants	4 projects (RM131,400)
Principal Investigator- UTM Grants	3 projects (RM45,000)
Member- International Grants	1 projects (RM5100)
Member- National Grants	15 projects (RM650,326)
Member- UTM Grants	10 projects (RM224,922)

As a principal investigator

BIL	NAME OF GRANT	ROLE	PROJECT NAME	CATEGORY OF GRANT (UTM/OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	Potential Academic Staff	Project Leader	Kerangka Kebolehpasaran Kemahiran Teknologi Digital Pelajar Kejuruteraan Elektrik dan Elektronik di Institusi Pendidikan dan Latihan Teknikal dan Vokasional Di Malaysia	UTM	UTM	10,000.00	15.11.2024	14.05.2026	QQ.J130000.2753.03K96
2	Fundamental Research Grant Scheme	Project Leader	Kerangka Kebolehpasaran 4.0 Pelajar Pendidikan Khas Di Institusi Pendidikan Teknikal Dan Vokasional Di Malaysia	Others	FRGS -KPT	60,000.00	1.11.2020	31.10.2023	R.J130000.7853.5F413
3	UTM Encouragement Research	Project Leader	Kerangka Kemahiran Teknikal Berteraskan Digital 4.0 Pelajar Kejuruteraan Elektrik Dan Elektronik Di Institusi PTV Di Malaysia	UTM	UTMER	15,000.00	1.10.2021	30.9.2023	Q.J130000.3853.20J05
4	Knowledge Transfer Program - RMC	Project Leader	Penjimatan tenaga elektrik dengan penukaran lampu kalimantang kepada LED dan pemasangan fotosel	Others	KTF- RMC	18,000.00	1.08.2022	15.03.2023	RJ130000.7853.4L962
5	Knowledge Transfer Program - RMC	Project Leader	Progam Kesedaran dan Penjimatan Tenaga Elektrik dengan penukaran lampu kalimantang 36W kepada LED 18W	Others	KTF- RMC	11,000.00	1.10.2021	31.11.2021	R.J130000.7853.4L954
6	Fundamental Research Grant	Project Leader	Kerangka Kemahiran Generik Anak-Anak Autisme Dalam Pendidikan Teknik Dan	Others	FRGS -KPT	42,400.00	15.8.2021	14.2.2020	Q.J130000.2731.02K31

	Scheme		Vokasional						
7	Potential Academic Staff	Project Leader	Educational Trainer Kits for Electric Circuit Course As A Catalyast to Boost The Technical Skills For Students	UTM	UTM	20,000.00	1.4.2016	30.9.2017	Q.J130000.2731.02K31

As a scientific member

BIL	NAME OF GRANT	ROLE	PROJECT NAME	CATEGORY OF GRANT (UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	UTM -TRG	Project Member	UTM-TDR 42.4 (T2): Educational Framework of Safety Awareness Culture on Ageing Petrochemical Plants	UTM	UTM Trans-disciplinary Research Grant	40,000	1.12.2018	31.5.2022	Q.J130000.3553.06G51
2	Fundamental Research Grant Scheme	Project Member	Model Pembentukan Minat dan Efikasi Kendiri Pelajar dalam STEM menerusi Pembelajaran Geometri berasaskan Teknologi Augmentasi Realiti	Others	FRGS -KPT	101,826	1.09.2022	31.8.2025	R.J130000.7853.5F529
3	Networking Grant	Project Member	Kepimpinan Autentik Pengetua Dan Motivasi Kerja Guru Di Sekolah Kluster Kecemerlangan	Others	Networking Grant	5,100	25.12.2022	24.12.2024	R.J130000.7353.4B827
4	Contract Grant	Project Member	Mengkaji Karakteristik Bendalir Yang Melalui Mesin Pemerah Kelapa Menggunakan Perisian Ansys	Others	Contract Grant	10,000	1.2.2023	31.1.2024	R.J130000.7653.4C695
5	Fundamental Research Grant Scheme	Project Member	A framework for scenario-based learning in statistics and probability to ignite form four students' interest in STEM careers	Others	FRGS -KPT	100,300	1.11.2020	31.10.2023	R.J130000.7853.5F414
6	Networking Grant	Project Member	Pembangunan Komuniti B40 Pangsapuri Jentayu, Kangkar Pulai: Pemindahan Ilmu STEM Dalam Kalangan Kanak-Kanak Komuniti B40 Menerusi Program Pelajar Minat STEM (PPMSTEM)	Others	Networking Grant	5,000	1.2.2021	31.7.2022	S.J130000.7353.4X649
7	Networking Grant	Project Member	Seven Habits Of Highly Effective People Among School Leaders In Province Of Riau, Indonesia.	Others	Networking Grant	5,000	10.10.2020	10.10.2022	R.J130000.7353.4B599
8	UTM Fundamental Research	Project Member	Framework Of Critical And Creative Thinking In Complex Engineering Problem-Solving	UTM	UTM-FR	84,922	1.1.2020	30.6.2023	Q.J130000.2553.20H86

9	RUG	Project Member	Exploring Teachers, Peers and Parents Behaviour and Speech which Intensify And Minimize Mathematics Anxiety Among Malaysian Students Through Photovoice Approach	UTM	Tier 2	15,000	1.8.2019	31.7.2022	Q.J130000.2653.17J01
10	Fundamental Research Grant Scheme	Project Member	Kerangka Kemahiran Kebolehpasaran 4.0 Graduan Teknikal Dan Vokasional dalam bidang Kejuruteraan Mekanikal Seiring Dengan Era Revolusi Industri 4.0	Others	FRGS -KPT	69,800	1.9.2019	31.5.2022	R.J130000.7853.5F134
11	Networking Grant	Project Member	Pembangunan Mesin Pemproses Baja Kompos Organik Bagi Memenuhi Keperluan Industri Kecil Dan Sederhana sektor pertanian dan penternakan	Others	T_ARGS	67,000	1.6.2020	31.5.2021	S.J130000.7853.4X593
12	RUG	Project Member	Penguasaan Kemahiran Berfikir Aras Tinggi Dalam Matematik Menerusi Strategi Pembelajaran Kooperatif Think-Talk-Write	UTM	Tier 2	15,000	1.8.2019	31.1.2022	Q.J130000.2653.16J38
13	RUG	Project Member	Kerjasama Industri Dan Institusi Pengajian Tinggi (IPT) Dalam Meningkatkan Kebolehpasaranpelajar Aliran Teknikal	UTM	Tier 2	10,000	1.8.2019	31.1.2021	Q.J130000.2653.16J07
14	Fundamental Research Grant Scheme	Project Member	Framework For Supporting Secondary School Students' Metacognition In Mathematics Problem Solving With Augmented Reality	Others	FRGS -KPT	96,500	1.1.2020	31.6.2023	Q.J130000.2553.20H89
15	FRGS	Project Member	A Framework In Designing Non-Destructive Testing (NDT) Curriculum For Technical And Vocational Education And Training (TVET) Institutions In Malaysia	KPM	Fundamental Research Grant Scheme	76,290	1.1.2019	31.12.2020	R.J130000.7853.5F083
16	NG	Project Member	Program Pemindahan Ilmu Peningkatan Kompetensi Operasi Perkhidmatan Makanan (Fine Dining) Bagi Pegawai Kementerian Pengajian Tinggi (KPT) 2020	Private	Networking Grant	12,000	1.6.2020	30.11.2020	S.J130000.7653.4X581
17	NG	Project Member	Keberkesanan program kelestarian amalan rendah karbon dalam kalangan pelajar SK Kampong Pasir	KPM	Networking Grant	100	9.4.2018	31.12.2019	S.J130000.7353.4X370
18	Tier-2	Project Member	Ncorporating Nondestructive Testing (NDT) Theory and Technical Skills into Welding Inspection Curriculum	UTM	Tier-2	10,000	1.2.2018	30.4.2019	Q.J130000.2631.15J09
19	NG	Project Member	Meningkatkan peranan perpustakaan sebagai wadah pembinaan dan pengembangan ilmu masyarakat	KPM	Networking Grant	5410	7.12.2017	23.4.2018	S.J130000.7353.4X359
20	NG	Project Member	Mengenalpasti keberkesanan karnival suka belajar dalam meningkatkan minat dan	KPM	Networking Grant	10,000	1.2.2017	31.12.2017	S.J130000.031.4X264

			sikap pelajar terhadap STEM						
21	CR-DTD	Project Member	Developing a multi-sensory environment loosely based on the snoezelen model for use in Malaysia	Private	Contract Research-DTD	21,200	1.9.2017	30.4.2018	R.J130000.7631.4C155
22	PAS	Project Member	Math-Related Critical Thinking in Complex Problem Solving for Engineering Education	UTM	Potential Academic Staff	10,000	15.10.2017	14.10.2018	Q.J130000.2731.03K06
23	PAS	Project Member	Mathematics Education Postgraduates' Recontextualisation of Teaching and Learning Mathematics in School	UTM	Potential Academic Staff	20,000	1.11.2016	30.10.2017	Q.J130000.2731.02K68
24	Tier-2	Project Member	Pembangunan Organisasi Universiti Teknologi Malaysia dan kesan kepada staf dan kakitangan Universiti Teknologi, Skudai, Johor	UTM	Tier-2	10,000	1.10.2016	30.9.2017	Q.J130000.2631.11J72
25	PAS	Project Member	Competency Framework of Quality Workforce Towards Sustainable Professional Development for Culinary Profession at Hotels and Convention Centres in Malaysia	UTM	Potential Academic Staff	10,000	15.10.2017	14.10.2018	Q.J130000.2731.03K10

COLLABORATION / MOU

NO	NAME OF Collaboration/MOU	LEVEL OF COLLABORATION/ MOU(NATIONAL/INTERNATIONAL)	STARTING DATE	ENDING DATE
1	Majlis Pebandaran Iskandar Putri-Projek Penjimatan Tenaga Elektrik	National	1.1.2021	15.3.2023
2	UTM International Sit in Teaching and Learning Peer Coaching Module UTM-Indonesia	International	25.8.2019	31.12.2019
3	Program Kerjasama UTM-UNESA Indonesia	International	7.1.2018	17.1.2018
4	Full-Bright Hays Group Protect Abroad UTM-Pennsylvania State USA	International	1.5.2018	31.12.2018
5	Yayasan Bandaraya Johor Bahru	National	1.1.2018	31.12.2018
6	Program Study Visit Universitas Negeri Surabaya	International	7.1.2017	16.1.2017

TEACHING ACTIVITIES

Summary	
Total Credit Hours	213

UNDERGRADUATES

Semester	Semester (1/2)	Subject Code	Subject	Credit Hour	No Of Students
20152016	2	SPPE2112	Computer Assisted Engineering Drawing	2	18
20152016	2	SPPE2112	Computer Assisted Engineering Drawing	2	17
20152016	2	SPPE1012	Engineering Drawing 1	2	13
20162017	1	SPPA2001	Microteaching	1	5
20162017	1	SPPE2112	Computer Assisted Engineering Drawing	2	20
20162017	1	SPPE2112	Computer Assisted Engineering Drawing	2	11
20162017	1	SPPE2112	Computer Assisted Engineering Drawing	2	11
20162017	2	SPPE1332	Basic of Electronic Technology	2	2
20162017	3	SPPA3113	Industrial Training	3	2

2017/2018	1	SPPE3232	Basic Electric and Electronic Control	2	26
2017/2018	1	SPPE2112	Computer Assisted Engineering Drawing	2	10
2017/2018	1	SPPA2001	Microteaching	1	5
2017/2018	2	SPPE1332	Basic of Electronic Technology	2	1
2017/2018	2	SPPE1012	Basic Trade	2	10
2017/2018	2	SPPL4403	Invention	3	9
2017/2018	2	SPPA3008	Practical Teaching	8	12
2017/2018	3	SPPA3113	Industrial Training	3	2
2018/2019	1	SPPE2112	Computer Assisted Engineering Drawing	2	10
2018/2019	1	SPPE1012	Basic Trade	2	30
2018/2019	1	SPPE1012	Basic Trade	2	17
2018/2019	1	SPPL4412	Invention	2	13
2018/2019	3	SPPA3113	Industrial Training	3	2
2018/2019	2	SPPA3008	Practical Teaching	8	2
2018/2019	2	SPPE1332	Basic of Electronic Technology	2	15
2018/2019	2	UHAS2122	Creative and Critical Thinking	2	34
2018/2019	2	SHPE1012	Basic Trade	2	16
2018/2019	2	SPPA3008	Practical Teaching	8	3
2019/2020	1	SHPE1012	Asas Ketukangan	2	33
2019/2020	1	SPPE2112	Computer Assisted Engineering Drawing	2	14
2019/2020	1	SPPE2112	Computer Assisted Engineering Drawing	2	13
2019/2020	1	SPPE2302	Application of Electrical and Electronics Technology	2	23
2019/2020	2	SHPE1012	Asas Ketukangan	2	9
2019/2020	2	SPPE2112	Computer Assisted Engineering Drawing	2	14
2019/2020	2	SPPE2112	Computer Assisted Engineering Drawing	2	7
2019/2020	2	UKQF2672	Renang	2	5
2019/2020	2	UKQS2182	Renang	2	31
2019/2020	2	UHAK1012	Atribut Kejayaan Graduan	2	35
2020/2021	1	SHPE2012	Kaedah Mengajar dalam PTV	2	9
2020/2021	1	SHPE2112	Lukisan Kejuruteraan Berbantu Komputer	2	8
2020/2021	1	SPPA2001	Pengajaran Mikro	1	5
2020/2021	1	SPPE3022	Industri dan PTV	2	17
2020/2021	1	UKQF2672	Renang	2	11
2020/2021	1	UKQS2182	Renang	2	2
2020/2021	2	SHPE2202	Amalan Pendawaian Domestik	2	8
2020/2021	2	SPPE3272	Kawalan Motor Elektrik	2	3
2020/2021	3	SPPA3113	Industrial Training	3	4
2020/2021	3	SPPA3008	Practical Teaching	8	7
2020/2021	2	SHPL1332	Makmal Elektronik dan Pengukuran	2	20
2021/2022	1	SPPE2302	Application of Electrical	2	8

			and Electronics Technology		
2021/2022	1	SPPE2302	Application of Electrical and Electronics Technology	2	15
2021/2022	1	SPPE2302	Application of Electrical and Electronics Technology	2	17
2021/2022	1	SPPE2302	Application of Electrical and Electronics Technology	2	20
2021/2022	1	SHPL1022	Pendawaian Elektrik Fasa Tunggal	2	19
2021/2022	2	SHPE1012	Asas Ketukangan	2	28
2021/2022	2	SHPE1332	Asas Teknologi Elektronik	2	14
2021/2022	2	SPPE3272	Motor Kawalan Elektrik	2	14
2022/2023	1	SPPE2302	Application of Electrical and Electronics Technology	2	16
2022/2023	1	SHPE2302	Application of Electrical and Electronics Technology	2	8
2022/2023	1	SHPE2112	Computer Assisted Engineering Drawing	2	27
2022/2023	1	SHPE3802	Rekabentuk Litar Elektronik	2	12
2022/2023	1	SHPU4904	Projek Sarjana Muda 2	2	16
2022/2023	2	SHPE1012	Asas Ketukangan	2	17
2022/2023	2	SHPE1332	Asas Teknologi Elektronik	2	11
2022/2023	2	SHPU4902	Projek Sarjana Muda I	2	7
2022/2023	2	UKQT3001	Pengalaman Pembelajaran Luar Kurikulum	1	50
2023/2024	1	SHPE2302	Application of Electrical and Electronics Technology	2	14
2023/2024	1	SHPE2302	Application of Electrical and Electronics Technology	2	14
2023/2024	1	SPPE3272	Motor Kawalan Elektrik	2	9
2023/2024	2	SHPE2302	Application of Electrical and Electronics Technology	2	14
2023/2024	2	SHPE3272	Motor Kawalan Elektrik	2	10
2023/2024	2	SHPL1332	Makmal Elektronik dan Pengukuran	2	13
2024/2025	1	SHPE2302	Application of Electrical and Electronics Technology	2	14
2024/2025	1	SHPE2302	Application of Electrical and Electronics Technology	2	12
2024/2025	1	SHPE2302	Application of Electrical and Electronics Technology	2	10

2024/2025	1	SHPE3272	Motor Kawalan Elektrik	2	8
2024/2025	2	SHPE2302	Application of Electrical and Electronics Technology	2	14
2024/2025	2	SHPE3272	Motor Kawalan Elektrik	2	6
2024/2025	2	SHPE1332	Asas Teknologi Elektronik	2	11
2024/2025	2	SHPU4904	Projek Sarjana Muda	4	28
Total Credits				185	1070

POSTGRADUATES

Year Of Semester	Semester (1/2)	Subject Code	Subject	Credit Hour	No Of Students
20162017	1	MPPV1313	Model of Teaching in TVE	3	5
20162017	1	MPPU1074	Kaedah Penyelidikan Dan Analisis Data Dalam Pendidikan	4	14
20162017	2	MPPV1323	Supervision In TVE	3	3
20162017	2	MPPV1033	Supervision In TVE	3	2
20172018	1	MPPV1313	Model of Teaching in TVE	3	15
20172018	2	MPPV1323	Supervision In TVE	3	13
20172018	1	MPPV1313	Model of Teaching in TVE	3	3
20232024	1	MHPV2213	Model of Teaching in TVE	3	3
20242025	1	MHPV2213	Model of Teaching in TVE	3	3
Total Credits				28	61

SUPERVISION

Summary	
Main Supervisor – PhD (Graduated)	1
Co-Supervisor – PhD (Graduated)	1
Main Supervisor – PhD (Ongoing)	5
Co-Supervisor – PhD (Ongoing)	0
Main Supervisor- Master by Research (Graduated)	1
Main Supervisor- Master by Research (On-Going)	0
Main Supervisor- Master by Taught Course (Graduated)	6
Main Supervisor- Master by Taught Course (On-Going)	1
Main Supervisor- Master by Mixed-Mode (Graduated)	1
Main Supervisor- Master by Mixed-Mode (On-Going)	0

PUBLICATIONS

Summary	
ISI Article/Journal	18
Scopus Article/Journal	22
Non-Indexed Article/Journal	12
Indexed Conference Proceedings	6
Non- Indexed Conference Proceedings	25
Book Chaphthers	1
Original Book	2
Classified/Technical /Expert Report	3
Policy Paper	0

JOURNAL (WOS=18)

No	Article Tittle	Journal Tittle	ISSN	Vol.	Issues	Page	Publication year	IF	Type of Publication	Category of publication	Quartile Ranking	Category Author
1	A Hybrid Seto-GBDT Model for Efficient Information Literacy System Evaluation	International Journal of Advanced Computer Science and Applications	21565570	16	2	416-426	2025	Q3	Publication in web of sciences	Article	-	UTM First Author
2	Information Literacy Research of Technical and Vocational Education and Training in China in The Past 10 Years: A Systematic Literature Review	Frontiers In Education	2504284X	9	-	1-11	2024	Q2	Publication in web of sciences	Article	-	UTM First Corresponding Author

3.	Factors Affecting the Level of Achieving Employability 4.0 of Hearing-Impaired Special Education Students	Journal of Technical Education and Training (JTET)	22298932	15	1	215-233	2023	-	Publication in web of sciences	Article	-	UTM First Author
4	Model for the Formation of Students' Interest in Stem Through Geometry Learning Based on Visual Spatial Abilities Using Augmented Reality Technology	AIP Publication	0094243X	2633	1	1-5	2022		Publication in web of sciences	Article	-	Co-Author
5	The Role of Solar Energy Demand in The Relationship Between Carbon Pricing And Environmental Degradation: A Blessing In Disguise	Journal of Public Affairs	14723891	22	4	1-16	2021		Publication in web of sciences	Article	-	UTM First Author
6	Factors Contributing to Students' Attainment in Design and Technology Project Work	Journal of Technical Education and Training (JTET)	22298932	13	1	66-73	2021	-	Publication in web of sciences	Article	-	Co-Author
7	Development Augmented Reality Applications in Teaching and Learning for Topic of Current and Voltage Division for Technical and Vocational Education	Journal of Technical Education and Training (JTET)	22298932	13	3	125-132	2021	-	Publication in web of sciences	Article	-	UTM First Author
8	Technowomen: Women's Autonomy and Its Impact on Environmental Quality	Sustainability	20711050	13	4	1611	2021	2.576	Publication in web of sciences	Article	Q2	UTM First Author
9	Determination Of Resource Curse Hypothesis in Mediation of Financial Development	Resources Policy	03014207	66	-	1-14	2020	3.185	Publication in web of	Article	Q2	UTM First Author

	and Clean Energy Sources: Go-For-Green Resource Policies								sciences			
10	Effects Of Mobile Augmented Reality (Mar) Towards Students' Visualization Skills When Learning Orthographic Projection	International Journal of Emerging Technologies in Learning	18630383	14	20	106-119	2019	-	Publication in web of sciences	Article	-	Co-Author
11	Math-Related Critical Thinking Theory in Civil Engineering Design	Pertanika Journal of Social Sciences and Humanities	22318534	27	2	899-913	2019	-	Publication in web of sciences	Article	-	Co-Author
12	Modelling Work Practices Under Socio-Technical Systems for Sustainable Manufacturing Performance	Sustainability	20711050	11	16	1-19	2019	2.592	Publication in web of sciences	Article	Q2	UTM First Author
13	The Influence Of E-Learning Towards Metacognitive Enhancement in Mathematical Problem Solving	International Journal of Emerging Technologies in Learning	18630383	14	20	165-173	2019	-	Publication in web of sciences	Article	-	Co-Author
14	Impacts Of Conceive-Design-Implement-Operate Knowledge and Skills for Innovative Capstone Project	International Journal of Online and Biomedical Engineering	26268493	15	10	146-153	2019	-	Publication in web of sciences	Article	-	Corresponding Author
15	Staffs Acceptance Towards Implementation of Universiti Teknologi Malaysia's Global Plan in Organizational Development	Annual International Conference on Social and Behavioural Science	19366612	24	5	3337-3342	2018	-	Publication in web of sciences	Article	-	Co-Author
16	Inductive, Deductive and Abductive Approaches in Generating New Ideas: A	Advanced Science Letters	19366612	24	4	2378-2381	2018	-	Publication in web of sciences	Article	-	Co-Author

	Modified Grounded Theory Study											
17	Malaysian Teachers' Selection of Heuristics in Teaching Mathematics	Advanced Science Letters	19366612	24	4	2218-2220	2018	-	Publication in web of sciences	Article	-	Co-Author
18	Conceive-Design-Implement-Operate (CDIO) Approach for An Innovative Capstone Project	Journal Of Technical Education and Training	22298932	10	2	82-91	2018	-	Publication in web of sciences	Article	-	Corresponding Author

JOURNAL (SCOPUS=22)

No	Article Title	Journal Title	ISSN	Vol.	Issues	Page	Year	IF	Type of Publication	Category of publication	Category Author
1	Conceive-Design-Implement-Operate (CDIO) Approach in Producing Wiring Projects for Domestic Electrical Wiring Course	Communications in Computer and Information Science	18650929	1911	-	60-70	2024	-	Scopus	Conference paper	First UTM Corresponding Author
2	Factors Influencing the Digital Skills of Technical Education Students	Communications in Computer and Information Science	18650929	1911	-	96-104	2024	-	Scopus	Conference paper	First UTM Corresponding Author
3	Students' Digital Readiness in Vocational College for Industrial Revolution 4.0	Communications in Computer and Information Science	18650929	1911	-	71-80	2024	-	Scopus	Conference paper	First UTM Corresponding Author
4	The Overview Of Higher Vocational School Teachers'	2024 9TH International STEM Education	9798350365979	-	-	1-7	2024	-	Scopus	Conference paper	Co-Author

	Information and Communication Technology (ICT) Competency: A Preliminary Study From Bibliometric Review and The Perspective of Teachers and Students	Conference (ISTEM-ED)									
5	Evaluation of Agricultural System Design Unit in Design and Technology Subjects Using CIPP Model: A Preliminary Study	International Journal of Academic Research in Progressive Education and Development	22266348	12	1	1585-1605	2023	-	Publication in ERA	Article	Co-Author
6	A Review on Vocational Education Teaching and Learning Practices for ASD Children	International Journal of Business and Globalisation	17533627	30	3	516-523	2022	-	Scopus	Article	UTM First Author
7	Entrepreneurial Behaviours of Final Year Students at Vocational Colleges Toward Interest in Entrepreneurship	International Journal of Business and Globalisation	17533627	30	3	415-428	2022	-	Scopus	Article	Corresponding author
8	Graduate Employability Skills Needed in The Era of Industrial Revolution 4.0: Perspective from Industrial Practitioner	International Journal of Early Childhood Special Education	1308-5581	14	6	610-619	2022	-	Scopus	Article	Co-Author
9	The Blockage Ratio Effect to The Spray Performances	Journal Of Advanced Research in Fluid Mechanics and	2289-7879	95	1	99-109	2022	-	Scopus	Article	Co-Author

		Thermal Sciences									
10	Enhancing Spatial Ability Skills in Basic Engineering Drawing Using A 3d Solid Model	Review Of International Geographical Education)	22298932	11	4	627-638	2021	-	Scopus	Article	Co-Author
11	Vocational Education for Autism Spectrum Disorder Students Towards the Market Employment	International Journal of Psychosocial Rehabilitation	22298932	13	3	125-132	2021	-	Scopus	Article	UTM First Author
12	The Roles of An Effective Supervisor in Technical and Vocational Education and Training	International Journal of Psychosocial Rehabilitation	14757192	24	2	2328-2334	2020	-	Scopus	Article	UTM First Author
13	Study On the Employability of Graduates from Bachelor of Technology with Education Through The Graduates Perceptions	Journal Of Critical Reviews (JCR)	23945125	7	16	690-698	2020	-	Scopus	Article	Co-Author
14	Multiple Intelligence Focusing on Practical Subjects Among Final Year Students of School of Education, Universiti Teknologi Malaysia	International Journal of Engineering and Advanced Technology (IJEAT)	22498958	8	5C	498-502	2019	-	Scopus	Article	Co-Author
15	Final Year Students' Perception on Generic Skills Upon Graduating	International Journal of Engineering and Advanced Technology	22498958	8	5C	881-887	2019	-	Scopus	Article	Co-Author

		(IJEAT)									
16	Appreciating Green Radio Communication Network Systems in A Problem-Oriented Project-Based Learning Environment A Theoretical Framework	International Journal of Engineering and Advanced Technology (IJEAT)	22498958	8	6	864-874	2019	-	Scopus	Article	Co-Author
17	Engineering and Related Programs Teaching Methods in Nigeria	International Journal of Recent Technology and Engineering	22773787	8	2	1279-1282	2019	-	Scopus	Article	Co-Author
18	Knowledge And Misconceptions Regarding Hand Washing as Perceived by The Food Handlers in School Foodservice Operations	Indian Journal of Public Health Research & Development	09760245	10	4	1347-1353	2019	-	Scopus	Article	Co-Author
19	Consciousness of Engineering Lecturers in Polytechnics Malaysia for Developing Educational Trainer Research Centre	Journal of Advanced Research and Dynamical and Control Systems	1943032X	10	9	1330-1336	2018	-	Scopus	Article	Corresponding author
20	Formal Skills Certificate and Teaching Experience In Developing Technical Knowledge Competencies For Electronic Lecturers In Vocational College, Malaysia	International Journal of Pure and Applied Mathematics	13143395	118	24	1-10	2018	-	Scopus	Article	Co-Author

21	Enhancing Students' Mathematical Problem-Solving Skills Through Bar Model Visualisation Technique	International Electronic Journal of Mathematics Education	13063030	13	3	273-279	2018	-	Scopus	Article	Co-Author
22	Teachers for Diverse Students: Malaysian TVET Teachers Teaching Preparedness	International Journal of Pure and Applied Mathematics	13143395	24	118	1-11	2018	-	Scopus	Article	Co-Author
23	Item Analysis on The Effects of Study Visit Programme in Cultivating Students Soft Skills: A Case Study	International Journal of Engineering & Technology	2227524X	7	2.10	117-120	2018	-	Scopus	Article	Co-Author
24	Leadership Practices of High Performing Schools Principals in Malaysia	Man In India	00251569	97	17	229-308	2017	-	Scopus	Article	Co-Author
25	Non Thermal Pasteurization for Orange Juice Using Pulsed Electric Field	Advanced Science Letter	19366612	23	5	4082-4085	2017	-	Scopus	Article	Corresponding author
26	A Qualitative Study of School-To-Work Transition Experience of New Culinary Graduates Towards a Sustainable Growth in The Profession	Advanced Science Letter	19367317	23	8	7407-7411	2017	-	Scopus	Article	Co-Author

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

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION
1	Speaker	MYGRANTS' Politeknik Sultan Ibrahim (PIS)	2015	Politeknik Sultan Ibrahim (PIS)
2	Chairperson	Advanced Research in Engineering and Information technology International Conference (AREITIC)	31.5.2016-2.6.2016	Bandung Indonesia
3	Speaker	Bengkel Penulisan Ilmiah	24.5.2016-25.5.2016	Politeknik Ibrahim Sultan, Pasir Gudang, Johor
4	Chairperson	2rd Technical and Vocational Education and Training International Conference 2018 (TVETIC 2018)	18.11.2016-19.11.2016	KSL, Johor Bahru
5	Chairperson	4 th International Education Postgraduate Seminar (4 th IEPS2017)	10.12.2017-11.12.2017	Le Grandeur Palm Resort, Johor
6	Session Chair	2017 International Conference on Art, Business, Education and Social Sciences (ABESS'2017).	15.8.2017-17.8.2017	Favehotel Cenang Beach, Langkawi, Kedah
7	Chairperson	3rd Technical and Vocational Education and Training International Conference 2018 (TVETIC 2018)	26.11.2018-27.11.2018	KSL, Johor Bahru
8	Chairperson	5 th International Education Postgraduate Seminar (4 th IEPS2018)	10.12.2018-11.12.2018	Double Tree by Hilton, Johor
9	Chairperson	The 6th Technology & Innovation International Conference (TECHON) 2021	14.9.2021-15.9.2021	Politeknik Mukah Sarawak
10	Chairperson	6th Technical and Vocational Education And Training International Conference (TVETIC 2025)	10.9.2025	KSL Hotel & Resort, Johor Bahru.

PROFESSIONAL SERVICES

Consultation and Training

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION	TOTAL INCOME GENERATED (RM)
1	Consultant	Projek Kesedaran dan Penjimatan	15.3.2023	Pangsapuri Pulau Perdana	RM29000.00

		Tenaga Elektrik MBIP		,Kangkar Pulai, Taman Teratai dan Taman Sri Pulai	
2	Consultant	Perunding Projek: Introduction to Data Collection Politeknik	1.6.2020	Politeknik Ibrahim Sultan & Sekolah Kejuruteraan Elektrik	RM6800.00
3	Fasilitator	Program Pelajar Minat STEM Majlis Bandaraya Johor Bahru	1.1.2019	Kampung Melayu Majidee	RM10000.00
4	Fasilitator	UTM International SIT IN Teaching and Learning Peer Coaching Module	25.8.2019	Sek Menengah Kebangsaan Mutiara Rini	RM51000.00
5	Fasilitator	Full-Bright Hays Group Protect Abroad UTM-Pennsylvania State USA	1.5.2018	UTM-Pennsylvania State USA	RM 41577.20
6	Fasilitator	Program STEAM Perpustakaan Sultan Ibrahim Majlis Bandaraya Johor Bahru	25.2.2018	Perpustakaan Sultan Ismail	RM5410.00

Community Project

NO	ROLE	NAME OF PROJECT	DATE	TOTAL VALUE OF PROJECT (RM)
1	Leader	Projek Kesedaran dan Penjimatan Tenaga Elektrik MBIP	15.3.2023	RM29000.00
2	Project Member	Perunding Projek: Introduction to Data Collection Politeknik	1.6.2020	RM6800.00
3	Project Member	Program Pelajar Minat STEM Majlis Bandaraya Johor Bahru	1.1.2019	RM10000.00
4	Project Member	Program STEAM Perpustakaan Sultan Ibrahim Majlis Bandaraya Johor Bahru	25.2.2018	RM5410.00
5	Project Member	Mini Karnival STEM Permas Jaya	15.8.2018	RM1900.00
6	Project Member	Prgram STEM Di Sek Men Keb Sultan Ismail Johor Bahru	14.11.2018	RM1700.00
7	Project Member	Karnival STEM Di SMK Gelang Patah	18.7.2018	RM1800.00

Community and University Services

NO	ROLE	TITLE OF PROGRAMME	DATE	LEVEL	LOCATION
1	Projek Member	UTM International SIT IN Teaching and Learning Peer Coaching Module	2019	International	UTM and SMK Mutiara Rini
2	Projek Member	Full-Bright Hays Group Protect Abroad UTM- Pennsylvania State USA	2018	International	UTM, SMK Pontian and SMK Kluang
3	Projek Member	Program Study Visit Universitas Negeri Surabaya (UNESA)- UTM	2018	International	UTM