



PERSONAL DETAILS

Name	:	MUHAMMAD KHAIR NOORDIN
Gender	:	Male
Date of Birth/Age	:	5 December 1986
Nationality	:	Malaysia
Marital Status	:	Married
Permanent Address	:	48, Jalan Pulau Tuah 7, Bandar Baru Kangkar Pulai, 83100 Johor Bahru
Correspondent Address	:	48, Jalan Pulau Tuah 7, Bandar Baru Kangkar Pulai, 83100 Johor Bahru
Tel	:	0137024102
E-mail	:	mdkhair@utm.my
Website	:	people.utm.my/mdkhair
ID Staff	:	11359
Expertise	:	TVET, Electronics, Robotics, Internet of Things, Extended Project-Based Learning, Engineering Education, Innovation in Teaching and Learning
H-Index (WOS)	:	2
H-Index (SCOPUS)	:	3
H-Index (G. Scholar)	:	8
H-Index (Researchgate)	:	8

ACADEMIC QUALIFICATIONS

N O	LEVEL OF EDUCATION	COURSE	UNIVERSITY	STARTING DATE	ENDING DATE
1	Doctor of Philosophy	Technical and Vocational Education	Universiti Teknologi Malaysia	2010	2014
2	Bachelor Degree	Electrical Engineering (Electronics)	Universiti Teknologi Malaysia	2005	2009
3	Matriculation	Science Physical	Kolej Matrikulasi Perak	2004	2005
4	Secondary School	Engineering	Sekolah Agama Menengah Bestari JAIS	2001	2003

5	Secondary School		Sekolah Agama Menengah Tinggi Sultan Abdul Aziz Shah	1998	2000
6	Primary School		Sekolah Kebangsaan Sungai Tua Baharu	1992	1997

AWARD AND HONORS RECEIVED

Summary	
International Awards/Honors	7
National Awards/Honors	3
UTM Awards/Honors	4
Faculty Awards/Honors	3

N O	AWARD	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	YEAR
1	ANUGERAH PERKHIDMATAN CEMERLANG FSSH 2023	FACULTY	2023
2	EKSPO PENYELIDIKAN DAN CIPTAAN INSTITUSI PENGAJIAN TINGGI ANTARABANGSA (PECIPTA)	INTERNATIONAL	2022
3	RESEARCH POSTER COMPETITION (RPC2021) (ENGINEERING TRACK) RAZAK RESEARCH WEEK 2021	FACULTY	2021
4	NALI 2021	UTM	2021
5	ASIA INTERNATIONAL INNOVATION EXHIBITION 2021 (AIINEX)	INTERNATIONAL	2021
6	MALAYSIA TECHNOLOGY EXPO (MTE)	NATIONAL	2021
7	SIJIL PENARAFAN BINTANG	UTM	2021
8	INTERNATIONAL ALUMNI CONVENTION AND INNOVATION EXHIBITION (INACIX 2021)	INTERNATIONAL	2021
9	ANUGERAH KUALITI AKADEMIK	UTM	2021
10	ASIA INTERNATIONAL INNOVATION EXHIBITION	INTERNATIONAL	2020
11	BEST PAPER AWARD IEPS 2018	INTERNATIONAL	2018
12	NALI 2018	NATIONAL	2018
13	ACTIVE BLENDED LEARNING COURSE	FACULTY	2018
14	ACTIVE BLENDED LEARNING COURSE	UTM	2017
15	KOREA CREATIVE INVENTION CONTEST	INTERNATIONAL	2017
16	INNOVATIVE PRACTICES IN HIGHER EDUCATION EXPO (I-PHEX 2015)	NATIONAL	2015

17	INTERNATIONAL ENGINEERING INVENTION AND INNOVATION EXHIBITION 2014 (I-ENVEX 2014)	INTERNATIONAL	2014
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WORKING EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ORGANISATION
1	Senior Lecturer	March 2014	Present	School of Education, FSSH, UTM
2	Tutor	June 2029	March 2014	Faculty of Education, UTM

PROFESSIONAL MEMBERSHIP / QUALIFICATIONS / RECOGNITION

Summary	
International Professional Membership / Qualifications / Recognition	1
National Professional Membership / Qualifications / Recognition	2

NO	NAME OF PROFESSIONAL MEMBERSHIP	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	ROLE	YEAR
1	AASVET	International	Member	2021
2	Persatuan Pendidikan Teknik dan Vokasional Malaysia (PPTVM)	National	Webmaster	2019
3	Persatuan Pendidikan Teknik dan Vokasional Malaysia (PPTVM)	National	Treasurer	2017

CONSULTATION WORKS

Summary	
Consultation Project-UTM	0
Consultation Project- Others	28 projects (RM 1,733,439.70)

No	Year	Title	Value	Vot
1	2015	KURSUS PENTAULIAHAN SKM TAHAP 4 BAGI PENSYARAH KOLEJ VOKASIONAL	RM 778,206.10	923
2	2015	KURSUS PENINGKATAN KEMAHIRAN LINUX ESSENTIALS BAGI PENSYARAH KOLEJ VOKASIONAL	RM 46,682.40	957
3	2015	KURSUS PENINGKATAN KEMAHIRAN SQL INTERMEDIATE/ADVANCED BAGI PENSYARAH KOLEJ VOKASIONAL	RM 46,682.40	956

4	2015	KURSUS PENINGKATAN KEMAHIRAN KESETIAUSAHAAN PENTADBIRAN SKM TAHAP 4 BAGI PENSYARAH KOLEJ VOKASIONAL SIRI 1/2015	RM 45,792	955
5	2015	KURSUS PENINGKATAN KEMAHIRAN PENYAMANAN UDARA KENDERAAN BAGI PENSYARAH KOLEJ VOKASIONAL	RM 47,064	953
6	2015	KURSUS PENINGKATAN KEMAHIRAN ELECTRONIC PRODUCT DEVELOPMENT (ELECTRONIC EQUIPMENT ADMINISTRATION) SKM TAHAP 4 BAGI PENSYARAH KOLEJ VOKASIONAL	RM 47,064	954
7	2015	KAJIAN IMPAK BAGI PENSYARAH-PENSYARAH KOLEJ VOKASIONAL ZON 4 (CAMERON HIGHLANDS)	RM 9,800	891
8	2015	KURSUS PENINGKATAN KEMAHIRAN JAHITAN PAKAIAN BAGI GURU-GURU PENDIDIKAN ASAS VOKASIONAL, KPM	RM 46,746	895
9	2015	KURSUS PENINGKATAN KEMAHIRAN MASAKAN DAN PENYAJIAAN MAKANAN BAGI GURU-GURU PENDIDIKAN ASAS VOKASIONAL, KPM	RM 47,064	984
10	2015	KURSUS PENINGKATAN KEMAHIRAN PACUAN EMPAT RODA BAGI PENSYARAH KOLEJ VOKASIONAL	RM 44,400	889
11	2015	KURSUS PENINGKATAN KEMAHIRAN ELECTRONIC PRODUCT DEVELOPMENT SKM TAHAP 4 (PLC PROGRAMMING ADVANCED) BAGI PENSYARAH KOLEJ VOKASIONAL, KPM	RM 44,400	890
12	2015	KURSUS PENINGKATAN KEMAHIRAN VEHICLE AIRCONDITIONING SYSTEM BAGI PENSYARAH KOLEJ VOKASIONAL	RM 48,800	896
13	2015	KURSUS PENINGKATAN KEMAHIRAN MENDIAGNOSIS, MEMASANG DAN MEMBAIKI SISTEM PENYEJUKAN BAGI PENSYARAH KOLEJ VOKASIONAL	RM 46,708.80	911
14	2015	KURSUS PENINGKATAN KEMAHIRAN IT PROJECT MANAGEMENT BAGI PENSYARAH KOLEJ VOKASIONAL	RM 48,866	904
15	2015	KURSUS PENINGKATAN KEMAHIRAN ELECTRONIC PRODUCT DEVELOPMENT SKM TAHAP 4 (MICROCONTROLLER CONFIGURATION) BAGI PENSYARAH KOLEJ VOKASIONAL	RM 46,708.80	910
16	2015	KURSUS PENINGKATAN KEMAHIRAN PHP WEB PROGRAMMING BAGI PENSYARAH KOLEJ VOKASIONAL	RM 48,675.20	903
17	2015	KAJIAN IMPAK BAGI PENSYARAH-PENSYARAH KOLEJ VOKASIONAL ZON 2 (LANGKAWI)	RM 9,800	880
18	2015	KAJIAN IMPAK BAGI PENSYARAH-PENSYARAH KOLEJ VOKASIONAL ZON 1 (TAWAU)	RM 9,500	873
19	2014	KURSUS REGULAR COURSE ON DIETARY FOOD PREPARATION FOR SPECIAL EDUCATION	RM 6,480	790
20	2014	KURSUS PENINGKATAN KEMAHIRAN PENYEDIAAN DAN PENYAJIAAN MAKANAN BAGI GURU-GURU KV	RM 10,000	809
21	2014	KURSUS PENOLONG PENGURUS ESTETIK BAGI GURU-GURU KV 2014	RM 35,000	788
22	2014	KURSUS KESETIAUSAHAAN PENTADBIRAN SKM 3 BAGI PENSYARAH-PENSYARAH KOLEJ VOKASIONAL 2014	RM 15,000	808

23	2014	KURSUS PENINGKATAN KEMAHIRAN PENYEDIAAN DAN PENYAJIAN MAKANAN BAGI GURU-GURU PAV	RM 35,000	779
24	2014	KURSUS ELECTRONIC PRODUCT DEVELOPMENT SKM TAHAP 4 MODUL B05-04-03 (ELECTRONIC EQUIPMENT MODIFICATION) K2 BAGI PENSYARAH-PENSYARAH KOLEJ VOKASIONAL, KEMENTERIAN PENDIDIKAN MALAYSIA	RM 35,000	805
25	2014	KURSUS PENINGKATAN KEMAHIRAN JAHITAN PAKAIAN BAGI GURU-GURU SMK	RM 33,000	804
26	2014	KURSUS PENINGKATAN KEMAHIRAN PENYEDIAAN DAN PENYAJIAN MAKANAN BAGI GURU-GURU SMK	RM 33,000	803
27	2014	KURSUS PENINGKATAN KEMAHIRAN PAV BAGI GURU-GURU SEKOLAH MENENGAH TEKNIK (SENI KECANTIKAN)	RM 33,000	802
28	2014	KURSUS ELECTRONIC PRODUCT DEVELOPMENT SKM TAHAP 4 MODUL B05-04-02 (PLC PROGRAMMING ADVANCED) K2 BAGI PENSYARAH-PENSYARAH KOLEJ VOKASIONAL, KEMENTERIAN PENDIDIKAN MALAYSIA	RM 35,000	798

INTERNATIONAL/NATIONAL/UNIVERSITY COMMITTEE

Summary	
International Committee	2
National Committee	4
University Committee	3
Faculty Committee	49
Community Committee	1

International

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	JAWATANKUASA TVETIC 2018	MEMBER	01/01/2018	27/11/2018
2	INTERNATIONAL SEMINAR ON TECHNICAL AND VOCATIONAL EDUCATION (TVEIS 2014)	MEMBER	25/08/2014	26/08/2014

National

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	PROGRAM SOCIAL SCIENCE BIZNETSHOWCASE	MEMBER	01/01/2022	31/12/2022

2	JK BENGKEL KERJA PEMBANGUNAN BLUEPRINT BAHAN INTERAKTIF BUKU TEKS KPM PROGRAM PENAMBAHAN BAHAN INTERAKTIF DALAM BUKU TEKS SEDIA ADA KURIKULUM STANDARD SEKOLAH RENDAH (SEMAKAN 2017) TAHUN 4 DAN KURIKULUM STANDARD SEKOLAH MENENGAH TINGKATAN 1	MEMBER	11/03/2021	30/06/2022
3	INNOVATIVE PRACTICE IN EDUCATION AND INDUSTRY EXHIBITION (IPEINX 2016)	MEMBER	08/12/2015	28/12/2016
4	JOM MASUK IPT	MEMBER	22/03/2015	01/04/2015

University

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	FREE PROJECT-BASED LEARNING	CHAIR	01/01/2020	31/12/2020
2	RG CDE	CHAIR	01/03/2017	28/02/2019
3	COMMUNITY DEVELOPMENT AND EDUCATION RESEARCH GROUP	CHAIR	17/10/2016	31/12/2018

Faculty

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	AHLI JAWATANKUASA PENYELIDIKAN DAN PERUNDINGAN	MEMBER	01/01/2023	31/12/2023
2	AHLI JAWATANKUASA MYRA	MEMBER	01/01/2023	31/12/2023
3	AHLI JAWATANKUASA INOVASI DAN KOMERSIALISASI	MEMBER	01/01/2023	31/12/2023

4	JAWATANKUASA JARINGAN KOMUNITI DAN INDUSTRI	MEMBER	01/01/2022	31/12/2022
5	JAWATANKUASA INOVASI DAN KOMERSIALISASI	MEMBER	01/01/2022	31/12/2022
6	AHLI JAWATANKUASA PENYELIDIKAN DAN PERUNDINGAN	MEMBER	01/01/2022	31/12/2022
7	PASUKAN BERTINDAK KECEMASAN (ERT)	MEMBER	01/01/2022	31/12/2022
8	MAJLIS APRESIASI STAF FSSH	MEMBER	01/06/2022	31/12/2022
9	TVET RG	CHAIR	22/09/2021	21/09/2024
10	PROJECT - BASED LEARNING FREE	CHAIR	01/07/2021	30/06/2023
11	JAWATANKUASA LATIHAN PRAKTIK	MEMBER	01/01/2021	31/12/2021
12	JAWATANKUASA PEMBANGUNAN DAN KECEMERLANGAN PELAJAR	MEMBER	01/01/2021	31/12/2021
13	JAWATANKUASA JARINGAN KOMUNITI DAN INDUSTRI	MEMBER	01/01/2021	31/12/2021
14	JAWATANKUASA INOVASI DAN KOMERSIALISASI	MEMBER	01/01/2021	31/12/2021
15	JK PEMBANGUNAN PROFESSIONAL AKADEMIK	MEMBER	01/01/2020	31/12/2020
16	COMMUNITY DEVELOPMENT AND EDUCATION RESEARCH GROUP	CHAIR	01/01/2020	31/12/2020
17	AJK LATIHAN PRAKTIK	MEMBER	17/03/2020	31/12/2020
18	AHLI KUMP KERJA PEMB TERADUN	MEMBER	15/03/2020	30/04/2020
19	AJK MAJLIS APRESIASI FSSH - ANUGERAH KETERLIBATAN INDUSTRI	MEMBER	01/10/2020	31/12/2020
20	AJK INOVASI DAN KOMERSIALISASI	MEMBER	01/10/2020	31/12/2020
21	AHLI KUMPULAN SEMAKAN WEB AKA ANUGERAH KUALITI AKADEMIK (AKA 2019) BAGI TAHUN 2020	MEMBER	01/03/2020	31/07/2020
22	JK PROGRAM LUAR DAN KHAS	MEMBER	01/01/2020	31/12/2020

23	JK PENYELIDIKAN DAN PERUNDINGAN	MEMBER	01/01/2020	31/12/2020
24	JK PEMBANGUNAN KECEMERLANGAN PELAJAR	MEMBER	01/01/2020	31/12/2020
25	JK JARINGAN KOMUNITI DAN INDUSTRI	MEMBER	01/01/2020	31/12/2020
26	JAWATANKUASA OSHE DAN KELESTARIAN	CHAIR	01/07/2018	30/06/2021
27	KETUA MAKMAL ELEKTRONIK SEKOLAH PENDIDIKAN	CHAIR	01/06/2018	30/06/2020
28	JAWATANKUASA PRASISWAZAH JPTK, SEKOLAH PENDIDIKAN	MEMBER	01/06/2018	30/06/2020
29	JAWATANKUASA PERSEKITARAN, KESELAMATAN DAN KESIHATAN PEKERJAAN FSSK	CHAIR	01/07/2018	30/06/2021
30	JAWATANKUASA PENYELIAAN JPTK, SEKOLAH PENDIDIKAN	MEMBER	01/06/2018	30/06/2018
31	JAWATANKUASA LATIHAN PRAKTIK JPTK, SEKOLAH PENDIDIKAN	MEMBER	01/06/2018	30/06/2020
32	JAWATANKUASA JADUAL WAKTU DAN KURIKULUM JPTK, SEKOLAH PENDIDIKAN	MEMBER	01/06/2018	30/06/2020
33	SERVICE LEARNING	MEMBER	29/05/2017	29/05/2019
34	AJK PG CAMP SPIRIT OF TOGETHERNESS	MEMBER	07/06/2017	31/12/2017
35	AJK E-NEWSLETTER	MEMBER	22/01/2017	31/12/2017
36	AJK ENDOWMENT	MEMBER	01/04/2017	31/03/2019
37	OSHE FP	MEMBER	01/03/2017	28/02/2019
38	JAWATANKUASA KUALITI	MEMBER	01/06/2016	31/05/2018
39	KETUA MAKMAL ELEKTRONIK	CHAIR	01/01/2016	31/12/2016
40	JAWATANKUASA PENYELIAAN	MEMBER	01/01/2016	31/12/2016
41	JAWATANKUASA LATIHAN PRAKTIK	MEMBER	06/09/2016	05/09/2018
42	JAWATANKUASA PRASISWAZAH JPTK	MEMBER	01/01/2016	31/12/2016

43	JAWATANKUASA JADUAL WAKTU DAN KURIKULUM JPTK	MEMBER	01/01/2016	31/12/2016
44	JAWATANKUASA KESELAMATAN DAN KESIHATAN PEKERJA OSHA	MEMBER	01/04/2016	31/03/2017
45	SPIRIT OF TOGETHERNESS	MEMBER	28/09/2015	30/09/2015
46	AJK KECIL KESELAMATAN DAN KESIHATAN PEKERJAAN (OSH) FAKULTI PENDIDIKAN	MEMBER	19/05/2015	19/05/2016
47	AUDIT PEMATUHAN PRA SISWAZAH FAKULTI PENDIDIKAN 2015	MEMBER	26/04/2015	28/06/2015
48	JAWATANKUASA PEMASARAN FAKULTI PENDIDIKAN	MEMBER	01/04/2014	31/03/2016
49	POSTGRADUATE ESPRIT de CORPS CAMP	MEMBER	17/12/2014	19/12/2014

Community

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	PROGRAM KANEK KAWAN KENBE 3.0 (KAWAN 3.0)	MEMBER	16/10/2022	19/10/2022

SELECTED ACTIVITIES / WORKSHOPS / SEMINARS / COURSES

NO	NAME OF ACTIVITIES	PLACE OF ACTIVITIES	STARTING DATE	ENDING DATE

RESEARCH ACTIVITIES

Summary	
Principal Investigator- International Grants	0 projects (RM0)
Principal Investigator- National Grants	2 projects (RM55,520)
Principal Investigator- UTM Grants	3 projects (RM50,000)
Member- International Grants	0 projects (RM0)
Member- National Grants	24 projects (RM552,530)
Member- UTM Grants	19 projects (RM721,127)

As a principal investigator

BIL	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	Gamifikasi Proses Rehabilitasi Tangan Menggunakan Pemrosesan Imej dan Permainan 3D	PI	National	Contract Research DTD	11,000	15/12/2022	14/12/2023	R.J130000.7653.4C691
2	Easy prototyping electronics circuits using EZE Smart Breadboard	PI	UTM	Prototype Development Fund	20,000	01/09/2018	31/12/2019	R.J130000.7753.4J355
3	Framework of Skills Training for the Asnaf (Fakir and Miskin) in Improving Economic Status	PI	National	FRGS	44,520	15/08/2017	14/11/2020	R.J130000.7831.4F986
4	Kesan Pembelajaran Berasaskan Projek (PjBL) Di Dalam Meningkatkan Pengekalan Pengetahuan dan Kemahiran Kepada Bakal Guru Pendidikan Teknik Dan Vokasional	PI	UTM	GUP TIER 2	10,000	01/07/2017	30/06/2018	Q.J130000.2631.13J93
5	Level Of Non-Technical Skills Among Electrical Engineers In Malaysia: Perceptions From Fresh Engineers And Senior Engineers	PI	UTM	Potential Academic Staff	20,000	01/11/2015	31/10/2016	Q.J130000.2731.02K09

As a scientific member

BIL	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	DEVELOPMENT OF INDUSTRIAL IOT KIT FOR USE IN A TOTAL PRODUCTIVE MAINTENANCE (TPM) SCENARIO ESPECIALLY FOR FACILITY USE	Member	OTHERS	Contract	70,000	21/12/2023	31/12/2024	R.K13 0000.7 656.4 C768
2	KERANGKA KOMPETENSI TEKNIKAL BAGI PELAJAR KURSUS TEKNOLOGI DRON	Member	UTM	UTM Encouragement Research	63,027	01/10/2023	30/09/2025	Q.J13 0000.3 853.31 J68
3	SELF-INITIATED PROFESSIONAL DEVELOPMENT (SI-PD) FRAMEWORK FOR MALAYSIAN TVET TEACHER	Member	UTM	UTM Fundamental Research	125,000	01/10/2023	30/09/2026	Q.J13 0000.3 853.22 H90
4	Automated Solar-Rain System (SolaRain)	Member	UTM	Knowledge Transfer Program - RMC	17,000	01/07/2023	31/01/2024	R.J13 0000.7 853.4L 987
5	Kerangka Kerja Peningkatan Minat dan Motivasi Ke Atas Subjek Sains, Teknologi, Kejuruteraan dan Matematik Menerusi Program 'Ask Dr. Solar!' Menggunakan Analisa Statistical Package of Social Sciences (SPSS)	Member	UTM	Centre for Community and Industry Network	10,000	01/04/2022	31/03/2023	R.K13 0000.6 856.4J 578
6	Kerangka Kerja Peningkatan Minat	Member	UTM	Centre for	10,000	01/04/2022	31/03/2023	R.K13 0000.6

	dan Motivasi Ke Atas Subjek Sains, Teknologi, Kejuruteraan dan Matematik Menerusi Program 'Ask Dr. I4U!' Menggunakan Analisa Statistical Package of Social Sciences (SPSS)			Communi-ty and Industry Network				856.4J584
7	Kerangka Kerja Peningkatan Minat dan Motivasi Ke Atas Subjek Sains, Teknologi, Kejuruteraan dan Matematik Menerusi Program 'Ask Dr. Aero!' Menggunakan Analisa Statistical Package of Social Sciences (SPSS)	Member	UTM	Centre for Communi-ty and Industry Network	10,000	01/04/2022	31/03/2023	R.K130000.6843.4J586
8	Kerangka Kerja Peningkatan Minat dan Motivasi Ke Atas Subjek Sains, Teknologi, Kejuruteraan dan Matematik Menerusi Program 'Ask Dr. Concrete!' Menggunakan Analisa Statistical Package of Social Sciences (SPSS)	Member	UTM	Centre for Communi-ty and Industry Network	10,000	01/04/2022	31/03/2023	R.K130000.6856.4J577
9	MY-HAND (Handheld Assisted Non-Invasive Device) For Post Stroke Patient	Member	UTM	Prototype Development Fund	30,000	01/08/2021	31/07/2022	Q.K130000.4456.4J530
10	Projek 2.3: Ask Dr OTEC, Pelestarian dan pemerkasaan aplikasi dan amalan ilmu kejuruteraan kimia oleh pelajar	Member	OTHERS	Business Entity	500	01/05/2021	30/04/2022	S.K130000.0809.4Y328

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11	Projek 2.4: Ask Dr Solar! 2.0 Pelestarian dan Pemerksaan Aplikasi dan Amalan Ilmu Kejuruteraan Elektrik oleh Pelajar Sekolah Rendah dan Menengah	Member	OTHERS	Business Entity	1,120	01/05/2021	30/04/2022	S.K13 0000.0 856.4 Y326
12	Projek 2.2: Ask Dr Aero! 2.0 Pelestarian dan pemerksaan aplikasi dan amalan ilmu kejuruteraan mekanikal (aeronautik) oleh pelajar sekolah rendah dan menengah.	Member	OTHERS	Business Entity	600	01/05/2021	30/04/2022	S.K13 0000.0 856.4 Y325
13	Projek 2.1: Ask Dr Concrete! 2.0 Pelestarian dan pemerksaan aplikasi dan amalan ilmu kejuruteraan awam oleh pelajar sekolah rendah dan menengah	Member	OTHERS	Business Entity	1,000	01/05/2021	30/04/2022	S.K13 0000.0 856.4 Y324
14	Projek 2.5: Ask Dr I4U! 2.0 Pelestarian dan pemerksaan aplikasi dan amalan ilmu Kejuruteraan Kecerdasan Buatan oleh pelajar sekolah rendah dan menengah	Member	OTHERS	Business Entity	1,000	01/05/2021	30/04/2022	S.K13 0000.0 856.4 Y327
15	ONLINE WORKSHOP: "ASK DR STEM!" - PEMBANGUNAN MODUL	Member	OTHERS	Business Entity	1,500	15/03/2021	14/03/2022	S.K13 0000.0 856.4 Y322

	LANJUTAN MELIBATKAN JARINGAN LIBATSAMA KOMUNITI DAN INDUSTRI BAGI PROGRAM PERPINDAHAN ILMU KEJURUTERAAN							
16	Projek 1.2: Ask Dr Aero! - Perpindahan Ilmu Kejuruteraan Mekanikal (Aeronautik) kepada Pelajar Sekolah Rendah dan Menengah bagi Meningkatkan Minat ke atas Bidang STEM sebagai Aliran Pilihan	Member	OTHERS	Business Entity	890	01/03/2021	30/04/2021	S.K13 0000.0 856.4 Y307
17	PROJEK 1.1: ASK DR CONCRETE! - PERPINDAHAN ILMU KEJURUTERAAN AWAM KEPADA PELAJAR SEKOLAH RENDAH DAN MENENGAH BAGI MENINGKATKAN MINAT KE ATAS BIDANG STEM SEBAGAI ALIRAN PILIHAN	Member	OTHERS	Business Entity	1,000	01/03/2021	30/04/2021	S.K13 0000.0 856.4 Y313
18	PROGRAM 1: ASK DR STEM! - PERPINDAHAN ILMU KEJURUTERAAN KEPADA PELAJAR SEKOLAH RENDAH DAN MENENGAH BAGI	Member	OTHERS	Business Entity	0	01/03/2021	30/04/2021	S.K13 0000.0 856.4 Y312

	MENINGKATKAN MINAT KE ATAS BIDANG STEM SEBAGAI ALIRAN PILIHAN							
19	PROJEK 1.3: ASK DR OTEC - Pemindahan ilmu kejuruteraan kimia kepada pelajar sekolah menengah bagi meningkatkan minat terhadap bidang STEM sebagai aliran pilihan	Member	OTHERS	Business Entity	860	01/03/2021	30/04/2021	S.K13 0000.0 809.4 Y308
20	Projek 1.4: Ask Dr. Solar! - Perpindahan Ilmu Kejuruteraan Elektrik kepada Pelajar Sekolah Rendah dan Menengah bagi Meningkatkan Minat Ke Atas Bidang STEM Sebagai Aliran Pilihan	Member	OTHERS	Business Entity	1,460	01/03/2021	30/04/2021	S.K13 0000.0 856.4 Y306
21	Projek 1.5: Ask Dr I4U! - Perpindahan ilmu Kejuruteraan Kecerdasan Buatan kepada pelajar sekolah rendah dan menengah bagi meningkatkan minat ke atas bidang STEM sebagai aliran pilihan	Member	OTHERS	Business Entity	1,290	01/03/2021	30/04/2021	S.K13 0000.0 856.4 Y303
22	SEVEN HABITS OF HIGHLY EFFECTIVE PEOPLE AMONG SCHOOL LEADERS IN PROVINCE OF	Member	OTHERS	International Grant	5,000	10/10/2020	10/10/2022	R.J13 0000.7 353.4 B599

	RIAU, INDONESIA.							
23	DEVELOPMENT OF AUGMENTED REALITY LEARNING KIT (AREDKit)FOR ENGINEERING DRAWING TO ENHANCE VISUALIZATION SKILL AMONG ENGINEERING AND TECHNICAL STUDENT	Member	OTHERS	Prototype Development Research Grant Scheme	132,000	01/09/2020	31/08/2022	R.J13 0000.7 817.4L 911
24	Client's Satisfaction And Needs In Confronting Unpredictable Economic Situation	Member	OTHERS	Business Entity	8,000	15/08/2020	30/04/2021	R.J13 0000.7 653.4 C392
25	EARLY INTERVENTION PROGRAM FOR SPECIAL NEED CHILDREN	Member	OTHERS	Industry - International Incentive Grant	20,000	01/04/2020	31/12/2021	Q.J13 0000.3 017.02 M06
26	DEVELOPMENT OF AUGMENTED REALITY ENGINEERING DRAWING APPS (AREDAApps) TO IMPROVE VISUALIZATION SKILLS IN ENGINEERING DRAWING COURSE	Member	UTM	UTM Prototype Research	80,000	01/01/2020	30/06/2022	Q.J13 0000.2 817.00 L25
27	PEMBANGUNAN PUSAT TERAPI AUTISM RIZQ	Member	OTHERS	Contract Research DTD	65,010	05/09/2019	04/03/2020	R.J13 0000.7 617.4 C291
28	KAJIAN KEBERKESANAN PROGRAM PEMBANGUNAN BELIA DAN BUDAYA NEGERI JOHOR	Member	OTHERS	Contract Research DTD	10,000	01/03/2019	31/03/2020	R.J13 0000.7 653.4 C236

29	KTP-NMG 2019: AUTISM IN EDUCATION DEVELOPMENT PROGRAM	Member	OTHERS	Business Entity	5,000	01/02/2019	31/07/2019	S.J13 0000.0 853.4 Y167
30	UTM-TDR 32.2 (T2): POST BRAIN INJURY AND POST STROKE UPPER LIMB STRENGTH ANALYSIS	Member	UTM	UTM Transdisciplinary Research Grant	47,000	01/12/2018	30/11/2022	Q.K13 0000.3 556.06 G43
31	MULTI SENSORY SMART ROOM	Member	UTM	Prototype Development Fund	20,000	15/07/2018	14/07/2019	R.J13 0000.7 353.4J 336
32	Keberkesanan program kelestarian amalan rendah karbon dalam kalangan pelajar SK Kampong Pasir	Member	UTM	Networking Grant	100	09/04/2018	31/12/2019	S.J13 0000.7 353.4 X370
33	DEVELOPMENT OF TRANSFORMER TESTERS AND TRAINING	Member	OTHERS	Contract Research DTD	60,000	15/02/2018	31/12/2019	R.J13 0000.7 631.4 C176
34	TRAINING MODULE COURSEWARE BASED ON AUGMENTED REALITY ENVIRONMENT IN ENHANCING VISUALIZATION SKILLS AMONG PETRONAS REFINERY MELAKA EMPLOYEE	Member	UTM	Tier 1	30,000	01/02/2018	31/01/2020	Q.J13 0000.2 531.19 H10
35	developing a multi-sensory environment loosely based on the snoezelen model for use in malaysia	Member	OTHERS	Contract Research DTD	21,200	01/09/2017	30/04/2018	R.J13 0000.7 631.4 C155

36	PROGRAM INTERNATIONAL SERVICE LEARNING UNIVERSITAS MUHAMMADIYAH PURWOKERTO DAN UNIVERSITI TEKNOLOGI MALAYSIA	Member	UTM	Networking Grant	30,000	16/07/2017	07/08/2017	S.J13 0000.7 753.4 X334
37	keberkesanan kaedah pemasaran secara konvensional dan atas talian dalam perniagaan kasawari motors sdn. bhd	Member	OTHERS	Contract Research DTD	79,500	01/07/2017	31/12/2018	R.J13 0000.7 631.4 C148
38	Pembangunan Kerangka Profil Kemahiran Generik Hijau Untuk Pekerjaan Dalam Industri Berteknologi Hijau	Member	OTHERS	Fundamental Research Grant Scheme	61,200	01/08/2016	31/01/2020	R.J13 0000.7 831.4 F841
39	SUSTAINABILITY IN ENGINEERING EDUCATION: CHARACTERISTICS OF SUSTAINABILITY INCORPORATION	Member	UTM	Encouragement Grant	20,000	01/09/2015	30/11/2016	Q.J13 0000.2 631.11 J27
40	DESIGNING AUGMENTED REALITY LEARNING ENVIRONMENT TO ENHANCE VISUALIZATION SKILLS AMONG ENGINEERING STUDENT WITH DIFFERENT LEARNING STYLE	Member	UTM	Encouragement Grant	20,000	01/05/2015	31/07/2016	Q.J13 0000.2 631.11 J13
41	DEVELOPMENT OF AUGMENTED REALITY TEACHING COURSEWARE TO ENHANCE	Member	UTM	Networking Grant	47,000	09/04/2015	08/04/2016	S.J13 0000.7 331.4 X048

	VISUALIZATION SKILLS AMONG KOLEJ KEMAHIRAN TINGGI (KKTM) STUDENTS							
42	DEVELOPMENT OF AUGMENTED REALITY LEARNING MODEL TO OBSERVE, IDENTIFY AND DETERMINE VISUALIZATION SKILLS AMONG RESEARCH UNIVERSITY ENGINEERING STUDENTS	Member	OTHERS	Fundamental Research Grant Scheme	68,200	01/07/2014	30/06/2016	R.J13 0000.7 831.4 F557
43	CONCEPTUAL MODEL FOR INTEGRATING HIGHER ORDER THINKING SKILLS IN ENGINEERING PROGRAM	Member	OTHERS	Fundamental Research Grant Scheme	68,200	01/07/2014	30/09/2016	R.J13 0000.7 831.4 F566
44	APPLICATION OF VIRTUAL ENVIRONMENT ON STUDENTS' VISUALIZATION SKILLS IN LEARNING ENGINEERING DRAWING	Member	UTM	Potential Academic Staff	20,000	01/10/2013	30/09/2014	Q.J13 0000.2 731.00 K64

TEACHING ACTIVITIES

Summary	
Total Credit Hours	195

UNDERGRADUATES

Semester	Sem	Subject Code	Subject	Credit Hour	No of Student
2024/2025	2	SHPE2542 Section 1	Microcontroller Programming And Interfacing	2	19

		SHPE2542 Section 2	Microcontroller Programming And Interfacing	2	13
		SHPE3512 Section 1	Basic Robotic And Mechatronic	2	14
		SHPE3512 Section 2	Basic Robotic And Mechatronic	2	14
2024/2025	1	SHPE2352 Section 1	Programmable Logic Controller Lab	2	14
		SHPA2001 Section 13	Microteaching	2	7
		SHPE4512 Section 1	Basic Of Penumatic And Hydraulic (E4)	2	14
		SHPE2112 Section 3	Computer Assisted Engineering Drawing	2	18
		UKQF2222 Section 1	Drone Technology	2	3
		ULRF2182 Section 3	Drone Technology	2	36
2023/2024	2	SHPE2542 Section 1	Microcontroller Programming and Interfacing	2	13
		SHPE2542 Section 3	Microcontroller Programming and Interfacing	2	14
		SHPE2542 Section 2	Microcontroller Programming and Interfacing	2	4
		SHPE3512 Section 1	Basic Robotic and Mechatronic	2	4
2023/2024	1	SHPE1012 Section 1	Basic Trade	2	20
		SHPE2352 Section 1	Programmable Logic Controller Lab	2	14
		SPPE3512 Section 1	Basic Robotics And Mechatronics	2	7
		SPPE3512 Section 3	Basic Of Pneumatic And Hydraulic (E4)	2	14
2022/2023	2	SHPE2282 Section 1	Assembly Language For Microcontroller (E1)	2	13
		SHPE2352	Programmable Logic Controller Lab	2	7

		Section 1			
		SHPE2352 Section 2	Programmable Logic Controller Lab	2	3
		SHPE3512 Section 1	Basic Robotic And Mechatronic	2	22
2022/2023	1	SHPE3512 Section 1	Basic Robotic And Mechatronic	2	24
		SHPE3512 Section 2	Basic Robotic And Mechatronic	2	9
		SHPE3512 Section 3	Basic Robotic And Mechatronic	2	25
		SHPE3512 Section 4	Basic Robotic And Mechatronic	2	13
2021/2022	2	SHPE2282 Section 1	Assembly Language For Microcontroller (E1)	2	3
		SHPE2352 Section 1	Programmable Logic Controller Lab	2	12
		SPPE3512 Section 2	Basic Robotics And Mechatronics	2	17
		SPPE3512 Section 3	Basic Robotics And Mechatronics	2	16
2021/2022	1	SHPA2001 Section 15	Microteaching	2	18
		SHPE2282 Section 1	Assembly Language For Microcontroller (E1)	2	7
		SPPE2282 Section 1	Assembly Language For Microcontroller	2	10
		SHPE3512 Section 1	Basic Robotics And Mechatronics	2	9
		SPPE3512 Section 2	Basic Robotics And Mechatronics	2	22
		SPPE3512 Section 3	Basic Robotics And Mechatronics	2	16
2020/2021	2	SHPE1022 Section 3	Engineering Drawing 1	2	13
		SPPE2352 Section 1	Programmable Logic Controller Lab	2	7

		SPPE3512 Section 1	Basic Robotics And Mechatronics	2	3
2020/2021	1	SHPE1022 Section 2	Engineering Drawing 1	2	9
		SHPE2112 Section 3	Computer Asissted Engineering Drawing	2	21
		SPPA2001 Section 5	Micro Teaching	2	26
		SPPE4173 Section 11	Assessment Based On Job Competencies	3	17
2019/2020	2	SPPE2282 Section 1	Assembly Language For Microcontroller	2	9
		SPPE2352 Section 1	Programmable Logic Controller Lab	2	7
		UHAK1012 Section 22	Graduate Success Attributes	2	33
2018/2019	1	SPPE3512 Section 1	Basic Robotics And Mechatronics	2	7
		SPPE4052 Section 1	Organisation And Workshop Management	2	12
		UHAK1012 Section 3	Graduate Success Attributes	2	60
2017/2018	2	SPPE2282 Section 1	Assembly Language For Microcontroller	2	6
		SPPE2352 Section 1	Programmable Logic Controller Lab	2	14
		SPPL4412 Section 2	Invention	2	20
		UHAK1012 Section 9	Graduate Success Attributes	2	40
2017/2018	1	SPPE1022 Section 7	Micro Teaching	1	13
		SPPE2352 Section 1	Programmable Logic Controller Lab	2	6
		SPPE3512 Section 1	Basic Robotics And Mechatronics	2	27
		SPPE3512 Section 2	Basic Robotics And Mechatronics	2	21
		SPPE3512 Section 3	Basic Robotics And Mechatronics	2	18

2016/2017	2	SPPE2282 Section 1	Assembly Language For Microcontroller	2	13
2016/2017	1	SPPA2001 Section 4	Micro Teaching	2	17
		SPPE1002 Section 1	Basic Engineering Drawing	2	16
		SPPE2282 Section 1	Assembly Language For Microcontroller	2	17
		SPPE2352 Section 1	Programmable Logic Controller Lab	2	13
2015/2016	2	SPPE1022 Section 4	Engineering Drawing I	2	12
		SPPE2352 Section 1	Programmable Logic Controller Lab	2	17
2015/2016	1	SPPE1012 Section 6	Basic Trade	2	9
		SPPE1022 Section 4	Engineering Drawing I	2	16
		SPPE1332 Section 2	Basic Technology Electronic	2	1
2014/2015	2	SPPE1002 Section 7	Basic Engineering Drawing	2	6
		SPPE1002 Section 2	Basic Engineering Drawing	2	16
2014/2015	1	SPPE3512 Section 1	Basic Robotics And Mechatronics	2	16
		SPPE3512 Section 2	Basic Robotics And Mechatronics	2	12
		SPPE3512 Section 3	Basic Robotics And Mechatronics	2	10
		SPPE4702 Section 1	Radio And Tv Repair And Maintenance	2	6
2013/2014	2	SPE4512 Section1	Technology Of Communication Laboratory	2	21
		SPE4512 Section2	Technology Of Communication Laboratory	2	26
		SPE4512 Section3	Technology Of Communication Laboratory	2	9
2013/2014	1	SPPE3512 Section 1	Basic Robotic And Mechatronic	2	40
		SPPE3512 Section 1	Basic Robotic And Mechatronic	2	7
		SPPE4702	Radio And Tv Repair And Maintenance	2	26

		Section 1			
Total credits				159	

POSTGRADUATES

Semester	Sem	Subject Code	Subject	Credit Hour	No of Student
2024/2025	1	MPPV2233 Section 50	Supervision In TVE	3	6
2023/2024	2	MPPV2233 Section 50	Supervision In TVE	3	5
2018/2019	1	MPPU1003 Section 4	Innovations In Learning And Teaching	3	20
		MPPV1323 Section 1	Supervision In TVE	3	10
2017/2018	2	MPPU1003 Section 4	Innovations In Learning And Teaching	3	14
2017/2018	1	MPPU1003 Section 3	Innovations In Learning And Teaching	3	14
2016/2017	2	MPPV1123 Section 1	Programme Evaluation In TVE	3	6
		MPPU1003 Section 15	Innovations In Learning And Teaching	3	18
2015/2016	2	MPPU1060 Section 1	Research Methods And Data Analysis	3	39
		MPPV1323 Section 1	Supervision In TVE	3	5
2015/2016	1	MPPV1323 Section 1	Supervision In TVE	3	4
		MPK1033 Section 1	Educational Supervision In TVET	3	17
Total Credits				36	

SUPERVISION

Summary	
Main Supervisor – PhD (Graduated)	2
Co-Supervisor – PhD (Graduated)	1
Main Supervisor – PhD (Ongoing)	6
Co-Supervisor – PhD (Ongoing)	1
Main Supervisor- Master by Research (Graduated)	2

Main Supervisor- Master by Research (On-Going)	0
Main Supervisor- Master by Taught Course (Graduated)	5
Main Supervisor- Master by Taught Course (On-Going)	0
Main Supervisor- Master by Mixed-Mode (Graduated)	1
Main Supervisor- Master by Mixed-Mode (On-Going)	0

PhD Student

No.	Name	Status (Graduated/ On-Going)	Date of Graduation (Date is based on Senate Letter)	Title	Roles of Supervision
1	SUN YUANHUA	On-Going	-		Main supervisor
2	TANG MINGYU	On-Going	-		Main supervisor
3	ZHU YUECHEN	On-Going	-		Main supervisor
4	HU HAO	On-Going	-		Main supervisor
5	LIU JUNQIONG	On-Going	-		Main supervisor
6	Murugan A/L Subramaniam	Graduated	3 December 2023	Framework Of An Industrial Training Management System for TVET Students	Main supervisor
7	Ainull Najhwar	Graduated	20 Mac 2024	Kerangka Pengajaran Dan Pembelajaran Dalam Talian Bagi Latihan Amali Mesin Larik Di Sebuah Universiti Awam Malaysia	Main supervisor
8	Muhammad Afandi Azmi	On-Going	-	Kerangka Kemahiran Abad Ke-21 Bagi Pelajar TVET Dengan Menyepadukan Teknologi Industri 4.0	Main supervisor
9	Aini Najwa Binti Azmi	Graduated	June 2020	Framework Of Industrial Training For Electrical Engineering Student In Malaysian Public Universities	Co- SV
10	Aimi Ruzaini Binti Ahmad	On-Going	-	Pembelajaran Berasaskan Web bagi Kursus Teknologi Kimpalan di Institut Latihan Perindustrian Negeri Johor	Co- SV

MSc. Student

No	Name	Status (Graduated / On-Going)	Date of Graduation (Date is based on Senate Letter)	Title	Mode (Research / Taught-course/ Mixed Mode)	Roles of Supervision
1	Nur Fatin Binti Mohammad	Graduated	March 2023	Tekanan Dan Kepuasan Kerja Dalam Kalangan Pensyarah Kolej Vokasional Di Daerah Johor Bahru	Mix-mode	Main supervisor
2	Elli Amirah Binti Azlan	Graduated	June 2022	Pembangunan Aplikasi ARWeld Bagi Topik Simbol Asas Kimpalan Di Kolej Vokasional	Research	Main supervisor
3	Milashini A/P Ganesen	Graduated	July 2021	Pembangunan Modul Pembelajaran Kendiri Spp Bagi Kursus Elektrik Dan Elektronik (E&E) Kenderaan Dalam Bidang Automotif Di Kolej Vokasional	Research	Main supervisor
4	Nadia Binti Ab Latib	Graduated	February 2019	Amalan Pengajaran Amali Automotif Berdasarkan Domain Psikomotor Dalam Pendidikan Vokasional	Research	Co-SV
5	Seriki Mustapha Kayode	Graduated	January 2019	Impact of Service Learning On Performance	Taught-course	Main supervisor

				Among Technical and Vocational Education Students		
6	Siti Rokiah Binti Bakri	Graduated	August 2017	Sikap, Minat dan Persepsi Asnaf Fakir Miskin Sekitar Johor Bahru Terhadap Bidang Kemahiran	Taught-course	Main supervisor
7	Atikah Binti Yahya	Graduated	March 2017	Kerangka Kerja PBE Di Dalam Meningkatka n Kemahiran Menyelesaik an Masalah Di Institusi Kemahiran	Taught-course	Main supervisor
8	Muhammad Faiz Bin Fauzan	Graduated	February 2016	Impak Pembelajara n Berasaskan Projek Terhadap Kemahiran Pelajar Kolej Vokasional	Taught-course	Main supervisor
9	Nurul Amira Binti Mohammad	Graduated	February 2016	Hala Tuju Pelajar Kolej Vokasional Berdasarkan Persepsi Pensyarah Kolej Vokasional Rintis	Taught-course	Main supervisor

UTM POSTGRADUATE EXAMINATION/ VIVA

Summary	
MSc. Internal Examiner	2
Fast track student examiner	0
Others Examiner	0

Msc Internal Examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR
1	Internal Examiner	Majidah binti Khalid	Strategi Pengajaran Guru Reka Bentuk Dan Teknologi (RBT) Sekolah Menengah Di Negeri Johor.	2022
2	Internal Examiner	Ezzatinadiah binti Julkifleh	Modul Interaktif Kursus Pembinaan II Berasaskan Persekitaran Teknologi Augmented Reality	2021

PUBLICATIONS

Summary	
ISI Article/Journal	11
Scopus Article/Journal	19
Non-Indexed Article/Journal	23
Indexed Conference Proceedings	
Non- Indexed Conference Proceedings	19
Book Chapters	4
Original Book	
Classified/Technical /Expert Report	
Policy Paper	

N O	ARTIC LE TITLE	JOURN AL TITLE	ISS N	Vo l.	Issu es	Pag e	Publicati on year	I F	Type of Publicati on	Catego ry of Publica tion	Quartile Ranking
1	DIGITA L COMP ETENC IES FOR TVET EDUCA TORS: A FRAME WORK FOR PROFE SSION AL DEVEL	AKADE MIKA	144 – 160	01 26- 50 08	94	3	2024		INDEXED	PUBLIC ATION IN WEB OF SCIEN CE	Q3

	OPME NT										
2	ASSES SING THE IMPOR TANCE OF DIGITA L LITERA CY AS A 21ST CENTU RY SKILL AMON G TVET EDUCA TORS	INTERN ATIONA L JOURN AL OF ACADE MIC RESEA RCH IN PROGR ESSIVE EDUCA TION AND DEVEL OPMEN T	434 - 450	22 26 63 48	13	4	2024		INDEXED	EXCEL LENCE IN RESEA RCH FOR AUSTR ALIA (ERA)	-
3	STRUC TURED TEACH ING USING DRON E SIMUL ATORS FOR STUDE NTS' CONFI DENCE IN REAL FLIGHT	METHO DS AND APPLIC ATIONS FOR MODELI NG AND SIMULA TION OF COMPL EX SYSTE MS	186 5- 092 9	19 11	0	125 TO 136	2023		INDEXED	PUBLIC ATION IN SCOPU S	
4	USE OF DRON E FLIGHT SIMUL ATOR FOR BRIDGI NG THEOR IES OF UAV	METHO DS AND APPLIC ATIONS FOR MODELI NG AND SIMULA TION OF COMPL EX	186 509 29	19 11	0	137 TO 145	2023		INDEXED	PUBLIC ATION IN SCOPU S	

	SYSTEMS INTO PRACTICE: A PILOT STUDY	SYSTEMS									
5	EMERGING CLOUD-BASED PREDICTIVE MAINTENANCE FOR HEMODIALYSIS REVERSE OSMOSIS PURIFIED WATER	2023 IEEE 2ND NATIONAL AL BIOMEDICAL ENGINEERING CONFERENCE (NBEC)	979-8-3503-3854-6	1	0	48 TO 53	2023		INDEXED	PUBLICATION IN SCOPUS	
6	FAILURE PREDICTION FOR HEMODIALYSIS UNITS USING MACHINE LEARNING AND HALL EFFECT SENSORS	2023 IEEE 2ND NATIONAL AL BIOMEDICAL ENGINEERING CONFERENCE (NBEC)	979-8-3503-3854-6	0	0	0	2023		INDEXED	PUBLICATION IN SCOPUS	

7	LINEAR AND NON-LINEAR PREDICTIVE MODELS IN PREDICTING MOTOR ASSESSMENT SCALE OF STROKE PATIENTS USING NON-MOTORIZED REHABILITATION DEVICE	THE INTERNATIONAL JOURNAL OF INTEGRATED ENGINEERING	2229-838X	15	4	237 TO 247	2023		INDEXED	PUBLICATION IN WEB OF SCIENCE	
8	DESIGN AND DEVELOPMENT OF REMOTE MONITORING PREDICTIVE MAINTENANCE DASHBOARD FOR REVERSE OSMOSIS WASTE	2ND NATIONAL AL BIOMEDICAL ENGINEERING CONFERENCE, NBEC 2023	979-8-3503-3854-6	0	0	181 TO 187	2023		INDEXED	PUBLICATION IN SCOPUS	

	R PURIFI CATIO N PLANT										
9	EMER GING CLOUD - BASED PREDI CTIVE MAINT ENANC E FOR HEMO DIALYS IS REVER SE OSMO SIS PURIFI ED WATE R	2ND NATION AL BIOMED ICAL ENGINE ERING CONFE RENCE, NBEC 2023	979 -8- 350 3- 385 4-6	0	0	48 TO 53	2023		INDEXED	PUBLIC ATION IN SCOPU S	
10	DEVEL OPME NT OF PREDI CTIVE MAINT ENANC E SYSTE M FOR HAEM ODIAL YSIS REVER SE OSMO SIS WATE R PURIFI CATIO N SYSTE M	4TH INTERN ATIONA L CONFE RENCE ON SMART SENSO RS AND APPLIC ATION, ICSSA 2022	978 - 166 549 981 -1	0	0	182 554 - 182 554	2022		INDEXED	PUBLIC ATION IN SCOPU S	

11	DIGITAL LEARNING IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING (TVET) IN PUBLIC UNIVERSITY, MALAYSIA	JOURNAL OF TECHNICAL EDUCATION AND TRAINING	2229-8932	14	3	49 TO 59	2022		INDEXED	PUBLICATION IN WEB OF SCIENCE	
12	FRAMEWORK OF SKILLS TRAINING FOR THE ASNAF (FAKIR AND MISKIN) IN IMPROVING ECONOMIC STATUSES	INTERNATIONAL JOURNAL OF EARLY CHILDHOOD SPECIAL EDUCATION (INT-JECSE)	1308-5581	14	5	7641 TO 7648	2022		NON-INDEXED	JOURNAL ARTICLE NON CITATION-INDEXED	
13	AN INDUSTRIAL TRAINING MANAGEMENT SYSTEM FOR	INTERNATIONAL JOURNAL OF EARLY CHILDHOOD SPECIAL	1308-5581	14	5	7635 TO 7640	2022		NON-INDEXED	JOURNAL ARTICLE NON CITATION-INDEXED	

	ENGINEERING STUDENTS:- A SYSTEMATIC LITERATURE REVIEW	EDUCATION (INT-JECSE)									
14	EIGHT DISCIPLINE-PROBLEM BASED LEARNING IN INDUSTRIAL TRAINING PROGRAM TO DEVELOP FUTURE PROOF SKILLS AMONG GRADUATE ENGINEERS	INTERNATIONAL JOURNAL OF ONLINE AND BIOMEDICAL ENGINEERING (IJOE)	262 684 93	17	12	38 TO 51	2021		INDEXED	PUBLICATION IN SCOPUS	
15	KEY CRITICISMS OF ENGINEERING INTERNSHIP DURATION: A SYSTEMATIC	JOURNAL OF CRITICAL REVIEWS	239 451 25	7	16	640 - 647	2020		INDEXED	PUBLICATION IN SCOPUS	

	LITERATURE REVIEW										
16	NON-TECHNICAL SKILL LEVEL OF ELECTRICAL ENGINEERING UNDERGRADUATES USING THE RASCH MEASUREMENT MODEL	INTERNATIONAL JOURNAL OF PSYCHOSOCIAL REHABILITATION	14757192	24	5	5388 to 5403	2020		INDEXED	PUBLICATION IN SCOPUS	
17	POKA-YOKE IN PROBLEM BASED LEARNING FOR ENGINEERING STUDENTS TO INCREASE EMPLOYABILITY RATE: A PRELIMINARY STUDY	JOURNAL OF CRITICAL REVIEWS	23945125	7	16	648 TO 655	2020		INDEXED	PUBLICATION IN SCOPUS	

18	SERVICE LEARNING APPROACHES INSTRUMENTATION TO COMMUNITY DEVELOPMENT IN THE 21ST CENTURY	UNIVERSAL JOURNAL OF EDUCATIONAL RESEARCH	0	8	5A	57 TO 62	2020		INDEXED	PUBLICATION IN SCOPUS	
19	PROBLEM SOLVING SKILLS AMONG GRADUATE ENGINEERS: A SYSTEMATIC LITERATURE REVIEW	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	0	17	9	104 TO 1052	2020		NON-INDEXED	JOURNAL ARTICLE NON CITATION-INDEXED	
20	ARWELD: AUGMENTED REALITY MOBILE LEARNING APPS FOR WELDING	INTERNATIONAL JOURNAL OF PSYCHOSOCIAL REHABILITATION	14757192	24	5	5438 TO 5447	2020		NON-INDEXED	JOURNAL ARTICLE NON CITATION-INDEXED	

	TECHNOLOGY · INTERNATIONAL JOURNAL OF PSYCHOSOCIAL REHABILITATION										
21	THE EFFECTIVENESS OF USING VEHICLE ELECTRIC AND ELECTRONIC SELF-LEARNING MODULE TOWARDS THE UNDERSTANDING OF AUTOMOTIVE STUDENTS AT VOCATIONAL COLLEGE: PRELIMINARY STUDY	INTERNATIONAL JOURNAL OF PSYCHOSOCIAL REHABILITATION	147 571 92	24	5	546 7 TO 547 4	2020		NON-INDEXED	JOURNAL ARTICLE NON CITATION-INDEXED	

22	EIGHT DISCIP LINE METH ODOLOGY IN INTER NSHIP PROG RAM TO IMPRO VE FUTUR E PROOF TALEN TS AMON G GRAD UATE ENGIN EERS	JOURN AL OF TALENT DEVEL OPMEN T AND EXCELL ENCE	0	12	2	162 3 TO 163 4	2020		NON- INDEXED	JOURN AL ARTICL E NON CITATI ON- INDEX ED	
23	THE ENGIN EERIN G UNDER GRAD UATES INDUS TRIAL TRAINI NG PROG RAMM E IN MALAY SIA: ISSUE S AND RESOL UTION S	INTERN ATIONA L JOURN AL OF ENGINE ERING AND ADVAN CED TECHN OLOGY	224 989 58	8	5C	405 TO 419	2019		INDEXED	PUBLIC ATION IN SCOPU S	
24	APPRE CIATIN G GREEN RADIO COMM	INTERN ATIONA L JOURN AL OF ENGINE	224 989 58	8	6	864 TO 874	2019		INDEXED	PUBLIC ATION IN SCOPU S	

	UNICA TION NETW ORK SYSTE MS IN A PROBL EM- ORIEN TED PROJE CT- BASED LEARN ING ENVIR ONME NT A THEOR ETICAL FRAME WORK	ERING AND ADVAN CED TECHN OLOGY (IJEAT)									
25	ENGIN EERIN G AND RELAT ED PROG RAMS TEACH ING METH ODS IN NIGERI A	INTERN ATIONA L JOURN AL OF RECEN T TECHN OLOGY AND ENGINE ERING	227 737 87	8	2	127 9 TO 128 2	2019		INDEXED	PUBLIC ATION IN SCOPU S	
26	KNOW LEDGE AND MISCO NCEPT IONS REGAR DING HAND WASHI NG AS PERCE IVED BY THE	INDIAN JOURN AL OF PUBLIC HEALTH RESEA RCH & DEVEL OPMEN T	097 602 45	10	4	134 7 TO 135 3	2019		INDEXED	PUBLIC ATION IN SCOPU S	

	FOOD HANDLERS IN SCHOOL FOODS SERVICE OPERATIONS										
27	IPC-A-610 STANDARD IN ELECTRIC AND ELECTRONIC LABORATORY FOR ENGINEERING STUDENTS: A SYSTEMATIC LITERATURE REVIEW	JURNAL PERSATUAN PENDIDIKAN TEKNIKAL DAN VOKASIONAL MALAYSIA	19856652	8	8	50 TO 57	2019		NON-INDEXED	JOURNAL ARTICLE NON CITATION-INDEXED	
28	PROJECT-BASED LEARNING (PJBL) FRAMEWORK IN DEVELOPING NON-TECHNICAL SKILLS FOR ENGINEERING	ADVANCED SCIENCE LETTERS	19366612	24	6	4515 TO 4518	2018		INDEXED	PUBLICATION IN WEB OF SCIENCE	

	G STUDE NTS										
29	COMP ETENC IES OF ENGIN EERIN G GRAD UATES : WHAT ARE THE EMPLO YER'S EXPEC TATIO NS?	INTERN ATIONA L JOURN AL OF ENGINE ERING & TECHN OLOGY	222 752 4X	7	29	519 TO 523	2018		INDEXED	PUBLIC ATION IN SCOPU S	
30	THE USE OF AUGM ENTED REALIT Y LEARN ING ENVIR ONME NT IN ENHAN CING STUDE NT'S MENTA L ROTAT ION SKILLS	ADVAN CED SCIENC E LETTER S	193 666 12	24	5	370 5 TO 370 8	2018		INDEXED	PUBLIC ATION IN WEB OF SCIEN CE	
31	COMP ETENC Y LEVEL OF TECHN ICAL KNOW LEDGE FOR ELECT	ADVAN CED SCIENC E LETTER S	193 666 12(PRI NT) :EI SS N:1 936 731 7(O	24	4	279 6 TO 279 8	2018		INDEXED	PUBLIC ATION IN WEB OF SCIEN CE	

	RONIC LECTU RERS IN VOCAT IONAL COLLE GE, MALAY SIA		NLI NE)								
32	THE USE OF AUGM ENTED REALIT Y LEARN ING ENVIR ONME NT IN ENHAN CING STUDE NT'S MENTA L ROTAT ION SKILLS	ADVAN CED SCIENC E LETTER S	193 673 17	24	5	370 5 TO 370 8	2018		NON- INDEXED	JOURN AL ARTICL E NON CITATI ON- INDEX ED	
33	COMP ETENC IES OF ENGIN EERIN G GRAD UATES : WHAT ARE THE EMPLO YER'S EXPEC TATIO NS?	INTERN ATIONA L JOURN AL OF ENGINE ERING & TECHN OLOGY (UAE)	222 752 4X	7	2.29	519 TO 523	2018		NON- INDEXED	JOURN AL ARTICL E NON CITATI ON- INDEX ED	
34	FRAME WORK FOR PROJE	MAN IN INDIA	002 515 69	97	13	205 TO 215	2017		INDEXED	PUBLIC ATION IN	

	CT-BASED LEARNING (PJBL) IN PROVIDING REAL WORLD EXPERIENCE FOR ELECTRICAL ENGINEERING STUDENTS									SCOPUS	
35	THE IMPACT OF ASNAF DEVELOPMENT TRAINING PROGRAM ON THE QUALITY OF LIFE OF THE POOR AND NEEDY	MAN IN INDIA	002 515 69	97	13	307 TO 315	2017		INDEXED	PUBLICATION IN SCOPUS	
36	PRACTICES IN VOCATIONAL TEACHING METHOD TO	THE SOCIAL SCIENCE	181 858 00	12	3	413 TO 418	2017		NON-INDEXED	JOURNAL ARTICLE NON CITATION-INDEXED	

	IMPROVE THE QUALITY OF TEACHING										
37	QUALITY INDICATORS IN THE FIELD OF CULINARY PROFESSIONS IN MALAYSIA - A METHOD OF DEVELOPING COMPETENCY PROFILING THROUGH SELF-ASSESSMENT	THE ONLINE JOURNAL FOR TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING IN ASIA	219 683 8X	0	7	1 to 22	2016		NON-INDEXED	JOURNAL ARTICLE NON CITATION-INDEXED	
38	PENDEKATAN PRODUKSI BERASAS EDUCATION (PBE) DI DALAM PENINGKATAN KUALITI	JURNAL PERSATUAN PENDIDIKAN TEKNIK DAN VOKASIONAL MALAYSIA	198 566 52	6	0	134 to 142	2016		NON-INDEXED	JOURNAL ARTICLE NON CITATION-INDEXED	

	PENGARJARAN SUBJEK KEMAHIRAN DAN LATIHAN										
39	CONDUG HANDS-ON TASK IN VOCATIONAL EDUCATION: TEACHING METHOD IN AUTOMOTIVE COURSES	JOURNAL OF TECHNICAL EDUCATION AND TRAINING	222 989 32	7	1	23 to 34	2015		NON-INDEXED	JOURNAL ARTICLE NON CITATION-INDEXED	
40	TAHAP KEBOLAHAN RUANG (SPATIAL ABILITY) DALAM KALANGAN PELAJAR SEKOLAH TEKNIK DAN AKADEMIK BAGI MATA	JURNAL PERSATUAN PENDIDIKAN TEKNIK DAN VOKASIONAL MALAYSIA (PTVM)	198 566 52	0	3	31 to 38	2014		NON-INDEXED	JOURNAL ARTICLE NON CITATION-INDEXED	

	PELAJARAN LUKISAN KEJURUTERAAN										
41	THE LEVEL OF NON-TECHNICAL SKILLS AMONG FRESH ELECTRICAL ENGINEERS IN MALAYSIA	JURNAL PERSATUAN PENDIDIKAN TEKNIK DAN VOKASIONAL MALAYSIA (PTVM)	19856652	3	0	86 to 100	2014		NON-INDEXED	JOURNAL ARTICLE NON CITATION-INDEXED	

NO.	TYPE a. INDEXED PROCEEDINGS/CONFERENCE b. NON- INDEXED PROCEEDINGS/CONFERENCE c. SEMINARS/WORKSHOPS d. THESIS e. ORIGINAL BOOK f. EDITED BOOK g. BOOK CHAPTER h. CLASSIFIED/TECHNICAL/ i. EXPERT REPORT j. POLICY PAPER	TITLE	YEAR	AUTHOR
1	BOOK CHAPTER	GAMIFICATION IN HAND REHABILITATION FOLLOWING STROKE	2024	NURUL AINI BINTI BANI, MUHAMMAD KHAIR BIN NOORDIN
2	BOOK CHAPTER	CASE STUDY: MALAYSIA. RECOGNISING GREEN SKILLS IN NON-FORMAL LEARNING SETTINGS	2022	MUHAMMAD SUKRI B SAUD, YUSRI BIN KAMIN, SARIMAH BT. ISMAIL, AEDE HATIB BIN

				MUSTA'AMAL @ JAMAL, MUHAMMAD KHAIR BIN NOORDIN
3	NON- INDEXED PROCEEDINGS/CONFERENCE	UNDERSTANDING GREEN RADIO COMMUNICATION NETWORK SYSTEMS IN A POPBL ENVIRONMENT	2019	HANIFAH BINTI JAMBARI, KAMALULARI FIN BIN SUBARI, MUHAMMAD KHAIR BIN NOORDIN
4	NON- INDEXED PROCEEDINGS/CONFERENCE	TAHAP KESEDARAN AUTISME DALAM KALANGAN GURU-GURU TABIKA PERPADUAN NEGERI JOHOR	2019	DAYANA FARZEEHA BINTI ALI, MUHAMMAD KHAIR BIN NOORDIN, NURUL FARHANA BINTI JUMAAT, NORAZRENA BINTI ABU SAMAH, ZAKIAH BINTI MOHAMAD ASHARI
5	NON- INDEXED PROCEEDINGS/CONFERENCE	DEVELOPING FOURTH INDUSTRIAL REVOLUTION READY ELECTRONICS ENGINEERS IN A PROBLEM- ORIENTED PROJECT-BASED LEARNING ENVIRONMENT. A CONCEPTUAL FRAMEWORK.	2019	HANIFAH BINTI JAMBARI, KAMALULARI FIN BIN SUBARI, MUHAMMAD KHAIR BIN NOORDIN, SARIMAH BT. ISMAIL
6	NON- INDEXED PROCEEDINGS/CONFERENCE	INNOVATIVE PRODUCT DEVELOPMENT THROUGH INNOVATION-BASED LEARNING STRATEGY	2019	SARIMAH BT. ISMAIL, MUHAMMAD KHAIR BIN NOORDIN
7	NON- INDEXED PROCEEDINGS/CONFERENCE	A STRUCTURED 8 DISCIPLINES METHODOLOGY TO DEVELOP PROBLEM SOLVING SKILLS AMONG ENGINEERING STUDENTS	2019	MUHAMMAD KHAIR BIN NOORDIN

		DURING INTERNSHIP :A SYSTEMATIC LITERATURE REVIEW		
8	NON- INDEXED PROCEEDINGS/CONFERENCE	THREE COMBINE VARIATION TO DERIVE EQUATION FROM GRAPH IN PHYSICS CLASSROOM	2019	MUHAMMAD KHAIR BIN NOORDIN
9	NON- INDEXED PROCEEDINGS/CONFERENCE	AN OVERVIEW OF ENGINEERING AND RELATED PROGRAMS TEACHING METHODS IN NIGERIA	2018	HANIFAH BINTI JAMBARI, KAMALULARI FIN BIN SUBARI, MUHAMMAD KHAIR BIN NOORDIN
10	NON- INDEXED PROCEEDINGS/CONFERENCE	COMPETENCY LEVEL OF TECHNICAL KNOWLEDGE FOR ELECTRONIC LECTURERS IN VOCATIONAL COLLEGE, MALAYSIA	2017	AHMAD NABIL BIN MD. NASIR, NUR HUSNA BINTI ABD. WAHID, ADNAN BIN AHMAD, AMIRMUDIN BIN UDIN, MUHAMMAD KHAIR BIN NOORDIN
11	NON- INDEXED PROCEEDINGS/CONFERENCE	FRAMEWORK FOR PROJECT BASED LEARNING (BJBL) PROVIDING REAL WORLD EXPERIENCE FOR ELECTRICAL ENGINEERING STUDENTS	2017	SARIMAH BT. ISMAIL, MUHAMMAD KHAIR BIN NOORDIN, DAYANA FARZEEHA BINTI ALI, AHMAD NABIL BIN MD. NASIR, MOHD SAFARIN BIN NORDIN
12	NON- INDEXED PROCEEDINGS/CONFERENCE	PROJECT-BASED LEARNING (PJBL) FRAMEWORK IN DEVELOPING NON- TECHNICAL SKILLS FOR ENGINEERING STUDENTS	2016	MUHAMMAD KHAIR BIN NOORDIN, MOHD SAFARIN BIN NORDIN

13	NON- INDEXED PROCEEDINGS/CONFERENCE	THE EFFECTIVENESS OF THE USE OF GUIDED INQUIRY LEARNING-BASED WORK SHEET IN ELECTRIC CIRCUIT	2016	MUHAMMAD KHAIR BIN NOORDIN, KAMALULARI FIN BIN SUBARI, AMIRMUDIN BIN UDIN
14	NON- INDEXED PROCEEDINGS/CONFERENCE	LEVEL OF NON-TECHNICAL SKILLS AMONG ELECTRICAL ENGINEERS IN MALAYSIA: PERCEPTIONS FROM FRESH ENGINEERS AND SENIOR ENGINEERS	2016	MUHAMMAD KHAIR BIN NOORDIN, MOHD SAFARIN BIN NORDIN
15	NON- INDEXED PROCEEDINGS/CONFERENCE	FRAMEWORK FOR PROJECT-BASED LEARNING (PJBL) IN PROVIDING REAL WORLD EXPERIENCE FOR ELECTRICAL ENGINEERING STUDENTS	2016	MUHAMMAD KHAIR BIN NOORDIN, SARIMAH BT. ISMAIL, MOHD SAFARIN BIN NORDIN, DAYANA FARZEEHA BINTI ALI, AHMAD NABIL BIN MD. NASIR
16	BOOK CHAPTER	TECHNICAL SKILLS AND NON- TECHNICAL SKILL IN TECHNICAL AND VOCATIONAL FIELD. PREDEFIITION CONCEPT	2015	DAYANA FARZEEHA BINTI ALI, AHMAD NABIL BIN MD. NASIR, MUHAMMAD KHAIR BIN NOORDIN
17	BOOK CHAPTER	PENERAPAN GREEN EMPLOYABILITY SKILL TERHADAP PELAJAR DI KOLEJ VOKASIONAL JOHOR	2015	MUHAMMAD KHAIR BIN NOORDIN, AHMAD NABIL BIN MD. NASIR
18	NON- INDEXED PROCEEDINGS/CONFERENCE	EFFECT OF VIRTUAL ENVIRONMENT COURSEWARE IN LEARNING ENGINEERING DRAWING	2015	DAYANA FARZEEHA BINTI ALI, MUHAMMAD KHAIR BIN NOORDIN, ADNAN BIN AHMAD, NURBIHA BINTI A.

				SHUKOR, NOOR DAYANA BINTI ABD HALIM
19	NON- INDEXED PROCEEDINGS/CONFERENCE	SELF-DEVELOPMENT TEACHING MODULE	2015	DAYANA FARZEEHA BINTI ALI, MAHANI BTE MOKHTAR, NOR HASNIZA BINTI IBRAHIM, MUHAMMAD KHAIR BIN NOORDIN, NORASYKIN BINTI MOHD ZAID
20	NON- INDEXED PROCEEDINGS/CONFERENCE	PENGUNAAN KAEDAH INKUIRI TERBIMBING DALAM PENGAJARAN DAN PEMBELAJARAN BAGI MATA PELAJARAN KEMAHIRAN HIDUP BERSEPADU	2014	DAYANA FARZEEHA BINTI ALI, KAMALULARI FIN BIN SUBARI, MUHAMMAD KHAIR BIN NOORDIN
21	NON- INDEXED PROCEEDINGS/CONFERENCE	TAHAP KEMAMPUAN RUANG (SPATIAL ABILITY) DALAM KALANGAN PELAJAR SEKOLAH AKADEMIK BAGI MATAPELAJARAN LUKISAN KEJURUTERAAN.	2014	DAYANA FARZEEHA BINTI ALI, KAMALULARI FIN BIN SUBARI, MUHAMMAD KHAIR BIN NOORDIN
22	NON- INDEXED PROCEEDINGS/CONFERENCE	KAJIAN KEPERLUAN KERANGKA PENGAJARAN PRAKTIKAL SUBJEK ELEKTRONIK DI KOLEJ VOKASIONAL	2014	DAYANA FARZEEHA BINTI ALI, KAMALULARI FIN BIN SUBARI, MUHAMMAD KHAIR BIN NOORDIN

23	NON- INDEXED PROCEEDINGS/CONFERENCE	VIRTUAL ENVIRONMENT COURSEWARE IN TEACHING ENGINEERING DRAWING TO ENHANCE STUDENTS' VISUALIZATION SKILLS	2014	DAYANA FARZEEHA BINTI ALI, ADNAN BIN AHMAD, MUHAMMAD KHAIR BIN NOORDIN, MAHYUDDIN BIN ARSAT

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

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION
1	MODERATOR	5TH TECHNICAL AND VOCATIONAL EDUCATION & TRAINING INTERNATIONAL CONFERENCE 2023 (TVETIC 2023)	07/12/2023	UTM
2	REVIEWER	5TH TECHNICAL AND VOCATIONAL EDUCATION & TRAINING INTERNATIONAL CONFERENCE (TVETIC2023)	07/12/2023	UTM
3	PAKAR RUJUK	PRODUCT PROFILE BERSEMPENA 5TH TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING INTERNATIONAL CONFERENCE (TVETIC) 2023	02/12/2023 - 03/12/2023	UTM
4	PAKAR RUJUK	PEMBANGUNAN DAN PENILAIAN MODEL PENGAJARAN MOBILE SEAMLESS LEARNING DALAM	19/10/2023	UNIVERSITI PUTRA MALAYSIA

		PEMBELAJARAN SAINS SEKOLAH RENDAH		
5	REVIEWER	3RD INTERNATIONAL CONFERENCE ON CREATIVE AND INNOVATIVE TECHNOLOGY IN EDUCATION (I-CITE 2023)	02/10/2023 - 03/10/2023	UTM
6	REVIEWER	JURNAL SAINS HUMANIKA SPECIAL ISSUE	12/09/2023	UTM
7	PEMBENTANG	2ND NATIONAL BIOMEDICAL ENGINEERING CONFERENCE (NBEC2023)	05/09/2023 - 07/09/2023	KKM/MELAKA
8	PAKAR RUJUK PROFESIONAL	PEMBANGUNAN PROTOTAIP APLIKASI AR TOURISM UNTUK NEGERI TERENGGANU	20/06/2023	UMT
9	PENGEMBANGAN / PENYEBARAN ILMU	BENGKEL PENDAWAIAN BERASASKAN INTERNET OF THINGS PROJEK TEKNOVASI SIMENBIOSIS SMART (SEJAHTERA, MAMPAN, RESILIENT DAN PINTAR)	17/06/2023	PPR SERI SEMARAK,
10	REVIEWER	JOURNAL OF TECHNOLOGY AND HUMANITIES	12/04/2023	KOLEJ KOMUNITI SUNGAI SIPUT
11	EDITOR	EDITORIAL BOARD MEMBER EDITORIAL BOARD MEMBER – FSSH MAGAZINE ‘HUMAN’	01/01/2022 - 31/12/2022	FSSH UTM
12	FASILITATOR	KURSUS ASAS ROBOTIK DAN INTERNET SERBA BENDA (IOT)	09/10/2022 - 12/10/2022	SOE FSSH
13	PENGEMBANGAN / PENYEBARAN ILMU	BENGKEL ‘ASK DR 14UI : PERPINDAHAN ILMU ASAS KEJURUTERAAN KECERDASAN BUATAN KEPADA PELAJAR DI MRSM TUN DR ISMAIL PONTIAN	23/08/2022	MRSM TUN DR ISMAIL PONTIAN

14	PENGEMBANGAN / PENYEBARAN ILMU	BENGKEL 'ASK DR 14UI : PERPINDAHAN ILMU ASAS KEJURUTERAAN KECERDASAN BUATAN KEPADA PELAJAR DI SMK SULTAN ALAUDDIN RIAYAT SHAH 1	10/08/2022	SMK SULTAN ALAUDDIN RIAYAT SHAH 1
15	PENGEMBANGAN / PENYEBARAN ILMU	BENGKEL 'ASK DR 14UI : PERPINDAHAN ILMU ASAS KEJURUTERAAN KECERDASAN BUATAN KEPADA PELAJAR DI SMK TUN PERAK	03/08/2022	SMK TUN PERAK
16	FASILITATOR	KURSUS BAHASA PENGATURCARAAN MENGUNAKAN ARDUINO (TAHAP 1 & 2)	03/07/2022 - 06/07/2022	SOE FSSH
17	PAKAR RUJUK	INACIX 2021	18/09/2021 - 20/09/2021	ALUMNI UTM
18	REVIEWER	INTERNATIONAL CONFERENCE ON CREATIVE AND INNOVATIVE TECHNOLOGY IN EDUCATION 2021 (I- CITE 2021)	25/08/2021 - 26/08/2021	FSSH UTM
19	PAKAR RUJUK	MALAYSIA TECHNOLOGY EXPO (MTE 2021)	22/03/2021 - 26/03/2021	PROTEMP
20	PENGEMBANGAN / PENYEBARAN ILMU	ASIA INTERNATIONAL INNOVATION EXHIBITION (AIINEX) 2020	18/09/2020 - 20/09/2020	CONNECTING ASIA
21	EDITOR JURNAL TIDAK BERINDEKS	JURNAL PPTVM	10/08/2020 - 31/08/2020	PERSATUAN PENDIDIKAN TEKNIK DAN VOKASIONAL MALAYSIA
22	REVIEWER	JURNAL PPTVM	10/08/2020 - 31/08/2020	PERSATUAN PENDIDIKAN TEKNIK DAN VOKASIONAL MALAYSIA
23	LAIN-LAIN	PERTANDINGAN BERCERITA SAINS FLORA DAN FAUNA JOHOR STEM 2020	27/08/2020	JABATAN PENDIDIKAN NEGERI JOHOR

24	PAKAR RUJUK	PENYEDIAAN GERAN PER KAPITA, NORMA PERALATAN DAN PROJEK BRIF MATA PELAJARAN ELEKTIF TEKNIKAL PENGAJIAAN KEJURUTERAAN ELEKTRIK DAN ELEKTRONIK TINGKATAN 4 DAN 5 SESI 3	01/01/2018 - 31/12/2018	KPM
25	PAKAR RUJUK	PENYEDIAAN GERAN PER KAPITA, NORMA PERALATAN DAN PROJEK BRIF MATA PELAJARAN ELEKTIF TEKNIKAL PENGAJIAAN KEJURUTERAAN ELEKTRIK DAN ELEKTRONIK TINGKATAN 4 DAN 5 SESI 2	01/01/2018 - 31/12/2018	KPM
26	PAKAR RUJUK	PENYEDIAAN GERAN PER KAPITA, NORMA PERALATAN DAN PROJEK BRIF MATA PELAJARAN ELEKTIF TEKNIKAL PENGAJIAAN KEJURUTERAAN ELEKTRIK DAN ELEKTRONIK TINGKATAN 4 DAN 5	01/01/2018 - 31/12/2018	KPM
27	PEMBENTANG	IEPS 2018	10/12/2018 - 11/12/2018	UTM
28	PENASIHAT PROJEK	APLIKASI AUGMENTED REALITY BAGI PROJEK iCARE	15/11/2018 - 30/11/2018	UTM
29	PENGERUSI	TVETIC 2018	26/11/2018 - 27/11/2018	UTM
30	PENILAI MANUSKRIP BUKU	PENILAI BAB DALAM BUKU TERBITAN UTHM	12/09/2018 - 25/09/2018	UTHM
31	PENASIHAT PROJEK	HARI INOVASI FAKULTI PENDIDIKAN KE 7	01/02/2018 - 31/05/2018	UTM
32	PEMBANTU PENERUSI VIVA	VIVA NORMALA	11/04/2018	UTM
33	PENGUCAP UTAMA	JOHOR AUTISM SUMMIT	30/03/2018 - 01/04/2018	JOHOR BAHRU
34	PEMBANTU PENERUSI VIVA	VIVA MOHAMAD ABDILLAH ROYO	25/02/2018	UTM

35	PAKAR RUJUK	FASILITATOR BLENDED LEARNING	15/02/2016 - 14/02/2018	FAKULTI PENDIDIKAN
36	PEMBANTU PENERUS VIVA	VIVA MUHAMMAD INTI	23/01/2018	UTM
37	PAKAR RUJUK PROFESIONAL	BENGKEL KERJA PERMURNIAAN MODUL RINTIS PNP MATA PELAJARAN ELEKTIF TEKNIKAL PENGAJIAN KEJURUTERAAN ELEKTRIK ELEKTRONIK TINGKATAN 4 DAN 5	01/08/2017 - 31/12/2017	KPM
38	FASILITATOR AKADEMIK	E-POSTER PRESENTATION FOR POSTGRADUATE PROGRESS REPORT	26/11/2017 - 30/11/2017	UTM
39	REVIEWER	The World Engineering Education Forum (WEEF) 2017	13/11/2017 - 17/11/2017	SEEM UTM
40	REVIEWER	2017 3rd International Conference on Education	07/11/2017 - 09/11/2017	MALTESAS
41	PEMBANTU PENERUS VIVA	VIVA PHD MUHAMAD AFZAMIMAN	08/08/2017	FP UTM
42	PEMBANTU PENERUS VIVA	VIVA PHD KHEI YOK MAN	30/07/2017	FP UTM
43	PEMBANTU PENERUS VIVA	VIVA PHD CHUA SIEW LIAN	07/05/2017	FP UTM
44	PEMERIKSA DALAM	PROPOSAL DEFEND MASTER	27/02/2017	FP UTM
45	PENERUS	INTERNATIONAL EDUCATION POSTGRADUATE SEMINAR 2016	18/12/2016 - 19/12/2016	FAKULTI PENDIDIKAN
46	PAKAR RUJUK	KOLOKIU PASCA SISWAZAH FAKULTI PENDIDIKAN	13/10/2016	FAKULTI PENDIDIKAN
47	PEMBENTANG	INTERNATIONAL VIRTUAL CONFERENCE IN MULTIDISCIPLINARY METHOD AND MODEL 2016 (ICMMM)	25/08/2016 - 27/08/2016	UTM
48	REVIEWER	International Conference in Multidisciplinary Method and Model 2016	25/08/2016 - 27/08/2016	UTM
49	PENGEMBANGAN / PENYEBARAN ILMU	1ST EDUCATION RESEARCH COLLOQUIUM BETWEEN FACULTY OF EDUCATION, UTM AND	11/08/2016	FAKULTI PENDIDIKAN

		FAR EASTERN UNIVERSITY, PHILIPPINES		
50	PEMBENTANG	REGIONAL CONFERENCE ON ENGINEERING EDUCATION 2016 (RCEE)	09/08/2016 - 10/08/2016	UTM KL
51	EDITOR JURNAL TIDAK BERINDEKS	JURNAL PERSATUAN PENDIDIKAN TEKNIK DAN VOKASIONAL MALAYSIA	12/07/2016 - 31/07/2016	UTM

PROFESSIONAL SERVICES

Consultation and Training

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION	TOTAL INCOME GENERATED (RM)
1	PENCERAMAH JEMPUTAN	MASTER TRAINER AWS CLOUD COMPUTING	16/10/2023 - 20/10/2023	CLEARWISDOM SDN BHD	4,000.00
2	PENCERAMAH JEMPUTAN	INDUSTRY4WRD CLOUD ASSOCIATE (INTERMEDIATE)	21/11/2023 - 25/12/2023	POLITEKNIK PORT DICKSON	4,000.00
3	PENCERAMAH JEMPUTAN	KURSUS CLOUD COMPUTING FOR INTERNET OF THINGS SYSTEM	14/11/2023 - 16/11/2023	KOLEJ KOMUNITI MASJID TANAH	3,000.00
4	PENCERAMAH JEMPUTAN	KURSUS PROFESIONAL TVET EDUCATION DIGITALIZATION	12/04/2022 - 14/04/2022	MEDIA AND GAME INNOVATION CENTRE OF EXCELLENCE (MAGICX)	1,100.00
5	PENCERAMAH JEMPUTAN	LATIHAN SANGKUTAN INDUTSRI (LSI) DI UTHM-LABTECH DIGITAL INNOVATION CENTRE (DICE)	05/10/2022 - 06/10/2022	UTHM	900.00
6	PENCERAMAH JEMPUTAN	STEM SUMMER CAMP IEEE KUALA LUMPUR 2022	07/06/2022 - 09/06/2022	IEEE MALAYSIA KUALA LUMPUR	900.00
7	PENCERAMAH JEMPUTAN	KURSUS CPCM INOVASI DAN ICT	04/08/2021 - 05/08/2021	JABATAN PENDIDIKAN	1,000.00

		DALAM PENGAJARAN DAN PEMBELAJARAN TVET		POLITEKNIK DAN KOLEJ KOMUNITI	
8	PENCERAMAH JEMPUTAN	VIRTUAL REALITY WORKSHOP	15/09/2021 - 19/09/2021	UNIVERSITI MALAYSIA PAHANG	2,500.00
9	PENCERAMAH JEMPUTAN	KURSUS PEMBANGUNAN PROFESIONALISM E GURU MATA PELAJARAN ELEKTIF TEKNIKAL PENGAJIAN ELEKTRIK DAN ELEKTRONIK SEKOLAH MENENGAH TEKNIK TAHUN 2021	28/09/2021 - 29/09/2021	BPLTV, KPM	1,500.00
10	PENCERAMAH JEMPUTAN	INDEPENDENT CAMPUS COMPETITION PROGRAM (PKKM)	19/07/2021 - 31/07/2021	UNIVERSITAS PGRI SEMARANG	3,500.00
11	PENCERAMAH JEMPUTAN	KURSUS AUGMENTED REALITY BAGI GURU KOLEJ VOKASIONAL JOHOR	07/10/2020	NATIONAL DIGITAL TVET INNOVATION CENTER	900.00
12	PENCERAMAH JEMPUTAN	GENERAL ONLINE SALES & MARKETING TRAINING E- COMMERCE ONBOARDING COACHING (E- BOARD) PROGRAMME FOR INSTITUT KEUSAHAWANAN NEGARA (INSKEN).	09/11/2020 - 10/11/2020	INSKEN	2,000.00
13	PENCERAMAH JEMPUTAN	HOW SOCIAL MEDIA CAN BOOST YOUR BUSINESS BAGI GENERAL ONLINE SALES AND MARKETING TRAINING AND E- COMMERCE	09/11/2020 - 10/11/2020	INSKEN	2,000.00

		ONBOARDING COACHING (E-BOARD) PROGRAMME			
14	PENCERAMAH JEMPUTAN	AUGMENTED REALITY EXPERIENCE USING HP REVEAL STUDIO	23/10/2018		1,200.00
15	PENCERAMAH JEMPUTAN	PROGRAM PEMBANGUNAN KOMUNITI JABATAN PERPADUAN NEGARA DAN INTEGRASI NASIONAL NEGERI JOHOR	26/09/2018		150.00

Grant based on innovation and University Commercialisation Product

BIL	NAME OF GRANT	ROLE	CATEGORY OF GRANT(UTM/OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	MY-HAND (Handheld Assisted Non-Invasive Device) For Post Stroke Patient	Member	UTM	Prototype Development Fund	30,000	01/08/2021	31/07/2022	Q.K13000.0.4456.4J530
2	DEVELOPMENT OF AUGMENTED REALITY ENGINEERING DRAWING APPS (AREDApps) TO IMPROVE	Member	UTM	UTM Prototype Research	80,000	01/01/2020	30/06/2022	Q.J130000.2817.00L25

	VISUALIZATION SKILLS IN ENGINEERING DRAWING COURSE							
3	Easy prototyping electronics circuits using EZE Smart Breadboard	Principal Investigator	UTM	Prototype Development Fund	20,000	01/09/2018	31/12/2019	R.J13 0000. 7753. 4J355
4	MULTI SENSORY SMART ROOM	Member	UTM	Prototype Development Fund	20,000	15/07/2018	14/07/2019	R.J13 0000. 7353. 4J336

Copyright

NO	NAME OF COPYRIGHT	STATUS OF COPYRIGHT	ROLE
1	Fingerprint Payment System (FinTouch)	APPROVED	Main Inventor
2	Coding firmware for UTM-CPE01 5G modem	APPROVED	Main Inventor
3	SENSOR CIRCUIT DESIGN FOR HAEMODIALYSIS REVERSE OSMOSIS WATER PURIFICATION PLANT	APPROVED	Member
4	FLOW ARCHITECTURE OF AUGMENTED REALITY ENGINEERING DRAWING KIT (AREDKit)	APPROVED	Member
5	DATABASE APLIKASI MUDAH ALIH MAKLUM BALAS MODUL PEMBELAJARAN KENDIRI PENYELESAIAN MASALAH PENGIRAAN SAINS RUMAH TANGGA	APPROVED	Member
6	A Handgrip Device (MyHAND - Malaysia Handheld Assisted Non-invasive Device)	APPROVED	Member

7	ASK DR CONCRETE! MODULE FOR CIVIL ENGINEERING KNOWLEDGE AND SKILL TRANSFER PROGRAMME TOWARDS COMMUNITY EMPOWERMENT AND SUSTAINABILITY	APPROVED	Member
8	ASK DR STEM!: MODULE FOR STEM KNOWLEDGE AND SKILL TRANSFER PROGRAMME TOWARDS COMMUNITY EMPOWERMENT AND SUSTAINABILITY	APPROVED	Member
9	Therapy Assistant Course Module: How Autism Impact Learning Supporting student with Autism in classroom: what teachers need to know?	APPROVED	Member
10	MUDAHNYA MEMAHAMI AUTISME	APPROVED	Member
11	AREDAApps	APPROVED	Member
12	Therapy Assistant Course Module:HOW AUTISM IMPACT LEARNING SUPPORTING STUDENT WITH AUTISM IN CLASSROOM: WHAT TEACHERS NEED TO KNOW	APPROVED	Member
13	Rounding Numbers Kit	APPROVED	Member
14	Inovasi Produk untuk Kemahiran Menukar Unit Panjang	APPROVED	Main Inventor
15	3R MANUAL - CREATIVITY IN SUSTAINABILITY	APPROVED	Member
16	HAUSKA CARD GAME	APPROVED	Member
17	MULTI SENSORY SMART ROOM	APPROVED	Member
18	WORK PROCESS FOR SERVICE LEARNING-INTERNATIONAL	APPROVED	Member
19	Innovation Product to Overcome Understanding in Mathematical Concept for Pre-School Students	APPROVED	Main Inventor
20	Produk Inovasi Bagi Membantu Fokus Murid Semasa Sesi Pembelajaran Abjad Dalam Bahasa Inggeris di Prasekolah	APPROVED	Member
21	An innovative product for improving the English language skills and motor skills usage among kindergarten students	APPROVED	Member
22	PRODUK INOVASI BAGI MENGATASI MASALAH KEMAHIRAN MOTOR DALAM KALANGAN PELAJAR	APPROVED	Member

	AUTISMA DI SEKOLAH RENDAH		
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