

<b>CURRICULUM VITAE</b>
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i. Full Name : JUWAIIRIYAH BT ABDUL RAHMAN@OSMAN

ii. Position : SENIOR LECTURER

iii. Academic Qualifications :

No.	Academic Qualification	Institution/Country	Year of Graduation
1.	Bach. Of Electrical Engineering	UiTM	2002
2.	MSc. Remote Sensing & GIS	UPM	2004

iv. Current Teaching and Administrative Responsibilities:

a. Current Subject(s) taught :

No.	Code	Name of Subject
1.	KED 2213	Signals & Systems
2.	KES 1233	Circuit Theory I
3.	KES 2144	Electronics 1
4.	KES 2113	Circuit Theory II

b. Administrative Responsibilities:

No.	Description	Date
1.	Head of Programme Electronics	2008-2010
2.	Deputy Dean Academic	2010 – 2012
3.	Acting Dean	2011
4.	Representative of faculty Engineering as Quality Assurance UNISEL committee	2010-2014
5.	Committee for QMS unit in faculty	2013
6.	Internal audit panel for diploma programme	February 2013
7.	Head of Department Engineering	Apr 2019 – Apr 2021

v. Previous Employment:

No.	Employer Name and Address	Position	Years	
			Start	End
1.	Faculty of Electrical Engineering, UiTM Shah Alam	Part time Full time Lecturer	2000	2003

2.	Faculty of Electrical Engineering, UiTM Penang Branch	Part time Lecturer	Jun 2004	Dec 2004
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## vi. Conferences and Training:

No.	Title	Venue	Date
1.	Workshop-"the needs and motivation to write a good journal paper"	LT, FELS	25 Jan 2018
2.	Bengkel Penulisan Tesis dan Peperiksaan Lisan Siri 6/2018	Bilik Seminar Siswazah Aras 1 PPSKTM, Bgn. Kimia, FST, UKM	29 March 2018
3.	Bengkel Penerbitan Jurnal, Pusat Kejuruteraan Elektronik Dan Komunikasi Terkehadapan (Paket), Fakulti Kejuruteraan Dan Alam Bina, UKM	Glory Beach Resort, 71000 Port Dickson,	20-22 April 2018
4.	Conference TECHON 2018	Meritz Hotel,Miri Sarawak	3-4 May 2018
5.	Bengkel Maklumat Kursus	Dewan Pro Canselor	2 July 2018
6.	Complex Engineering:Implementation & Assessment Tools Workshop	LT, FELS, UNISEL	9 Aug 2018

## vii. Research and Publications:

No.	Title	Year
<b>(A) JOURNAL</b>		
1	Abdul Rahman Mohd Yusoff, Juwairiyah Abd Rahman and Mohammad Syuhaimi Ab-Rahman, "Designing a Reliable Academic Quality Management System in Nurturing Future Engineering Professionals – A Case Study", PERTANIKA Journal of Social Sciences & Humanities (JSSH), Vol. 24, No. S, Apr 2016, pg. 167	2016
2	Juwairiyah Abd Rahman, Mohammad Syuhaimi Ab-Rahman and Abdul Rahman Mohd Yusoff, "A Case Study of Programme Educational Objectives (PEOs) Assessment Requirements for the Electrical and Electronic Engineering Programme in Malaysian Public Universities", PERTANIKA Journal of Social Sciences & Humanities (JSSH), Vol. 24, No. S, Apr 2016, pg. 251	2016
3	Juwairiyah Abdul Rahman, Mohammad Syuhaimi Ab-Rahman, Luqman Al-Hakim Azizan, Jariyani Burhanudin, "Performance Analysis for Video Transmission in VLC Systems", Journal of Modern Education Review, August 2016, Volume 6, No. 08, pp.	2016
4	B Mulyanti, H Ramza, R E Pawinanto, J A Rahman, M S Ab-Rahman, W S Putro, L Hasanah, A B Pantjawati "Micro – ring resonator with variety of gap width for acid rain sensing application: preliminary study", Journal of Physics: Conference Series, June 2017, Volume 852	2017
<b>(B) CONFERENCE</b>		

5.	Abdul Rahman Mohd Yusoff, Mohammad Syuhaimi Ab-Rahman & Juwairiyah Abdul Rahman, "Re-Energizing Curriculum Structure Development Based on Programme Educational Objectives (PEO) Achievement", Proceedings of the 3 <sup>rd</sup> International Conference on Educational Research and Practice 2015 (ICERP 2015), The Everly Putrajaya, 25-26 Augut 2015, pg. 51	2015
6.	Juwairiyah Abd Rahman, Mohammad Syuhaimi Ab-Rahman and Abdul Rahman Mohd Yusoff, "The Effectiveness of CQI Implementation based on Improvised Teaching Folder Management Systems (TFMS)", Proceedings of the 3 <sup>rd</sup> International Conference on Educational Research and Practice 2015 (ICERP 2015), The Everly Putrajaya, 25-26 Augut 2015, pg.40	2015
7.	Juwairiyah Abdul Rahman, Mohammad Syuhaimi Ab-Rahman, Luqman Al-Hakim Azizan, Jariyani Burhanudin, "Performance Analysis for Video Transmission in VLC Systems", 2 <sup>nd</sup> Technology and Innovation National Conference Proceedings 2016(TECHON 2016), 24th - 26th May 2016, Pullman Hotel, Kuching Sarawak, pg. 399	2016
8.	Zulkifli. Abd Rahman, Juwairiyah Abd Rahman." Direct Assessment Tool of Undergraduate Engineering Programs at University of Selangor (UNISEL)", 5 <sup>th</sup> International Conference on Language, Education, Humanity & Innovation , SICLEHI 2017, KLCC, Malaysia, 21-22 January 2017, ISBN 978-967-14467-4-4	2017
9.	Juwairiyah Abd Rahman, Mohd Arif Bin Mat Norman, Zulkifli Abdul Rahman, Mohd Darnalis A.Rahman, "MyOutcomes Application: Towards iCGPA Assessment to Upgrade Quality of UNISEL's Graduates" , 4 <sup>th</sup> Technology and Innovation International Conference 2018 (TECHON 2018), Meritz Hotel Miri, Sarawak, 3rd - 5th May 2018	2018
10	Hasliza Abu Hassan, Marzuqi Yaakob, Sasni Ismail, Juwairiyah Abd Rahman, Izyani Mat Rusni, Azlee Zabidi, Ihsan Mohd Yassin, Nooritawati Md Tahir, Suraiya Mohamad Shafie, "Detection of Proliferative Diabetic Retinopathy in Fundus Images Using Convolution Neural Network", 6th International Conference on Software Engineering & Computer Systems (ICSECS'19), 25 - 26 Sept, 2019, Vistana Hotel, Kuantan, Pahang, Malaysia	2019
11	Izyani Mat Rusni, Redza Behrafi Mohd Fathan Faiz, Salina Muhamad, and Juwairiyah Abdul Rahman, "Chemical Sensor Development Using Interdigitated Electrode", International Multidisciplinary Postgraduate Conference 2020 (IMPC20), 9-10 Disember 2020, virtual conference UNISEL.	2020
12	Juwairiyah Abdul Rahman, Muhammad Syahmi Azman, and Izyani Mat Rusni," UNISEL's Library Management System Based on Li-Fi Technology," International Multidisciplinary Postgraduate Conference 2020 (IMPC20), 9-10 Disember 2020, virtual conference UNISEL.	2020

<b>(C) POSTER</b>		
13	Mohammad Syuhaimi Ab-Rahman, Abdul Rahman Mohd Yusoff, Juwairiyah Abdul Rahman, Ahmad Kamal Arifin Mohd Ihsan and Mohd Jailani Mohd Nor, "A Global Comparative Study among Malaysian Institutional of Higher Learning for Electrical & Electronics Engineering Graduates", K-Novasi Pengajaran & Pembelajaran UKM, 11 – 12 Feb 2015, Dectar UKM. (Gold)	2015
14	Mohammad Syuhaimi Ab-rahman, Abdul Rahman Mohd Yusoff , Juwairiyah Abdul Rahman, Ahmad Kamal Arifin Mohd Ihsan and Mohd Jailani Mohd Nor, "Kajian Perbandingan PEO Antara Institusi Pengajian Tinggi Malaysia Untuk Graduan Kejuruteraan Elektrik & Elektronik", K-Novasi Pengajaran & Pembelajaran UKM, 11 – 12 Feb 2015, Dectar UKM. (Silver)	2015
15	Mohammad Syuhaimi Ab-Rahman, Abdul Rahman Mohd Yusoff, Juwairiyah Abdul Rahman , Mohd Azrin Mustafa, Nasrul Amir, Afiq Hipni and Hadiguna Safnal, "The Efforts of Quality Assurance Unit in Ensuring the Continuous Improvement Systems in Teaching and Learning (T&L) at the Faculty – A Case Study", K-Novasi Pengajaran & Pembelajaran UKM, 11 – 12 Feb 2015, Dectar UKM. (bronze)	2015
16	Mohammad Syuhaimi Ab-Rahman, Abdul Rahman Mohd Yusoff, Juwairiyah Abd Rahman, Afiq Hipni, "Program Educational Objectives (PEOs) complying to an assessment requirements among Malaysian public universities – A case study", K-Novasi Pengajaran & Pembelajaran UKM, 11 – 12 Feb 2015, Dectar UKM. (Bronze)	2015
17	Zulkifli Abdul Rahman, Juwairiyah Abdul Rahman & Mohd Arif Bin Mat Norman, "MYO system as a Direct Assessment Tool of CLO and PLO Attainments", National Innovation and Invention Competition through Exhibition 2017 (iCompEx 2017), 21 -23 Mac 2017,POLIMAS.(Bronze)	2017
18	Zulkifli Abdul Rahman, Juwairiyah Abdul Rahman, Mohd. Darnalis A. Rahman & Mohd Arif Bin Mat Norman "MyOutcomes Software as Outcome-Based Assessment (OBA) Tool" Selangor Innovation & Creativity Exposition (SLICE'18) "Generating Innovation and Creativity",14-16 November 2018, UNISEL (Silver)	2018
19	Juwairiyah Abdul Rahman, Zulkifli Abdul Rahman, Mohd. Darnalis A. Rahman & Mohd Arif Bin Mat Norman," Implementation of ICGPA to Enhance OBE Systemf for Engineering Program," Selangor Innovation & Creativity Exposition (SLICE'18) "Generating Innovation and Creativity",14-16 November 2018, UNISEL (Bronze)	2018
20	Juwairiyah Abdul Rahman, Dr Hasliza Abu Hassan, Mohammad Syuhaimi Ab-Rahman, Muhamad Helmi Salleh Huddin, "Performance Analysis for Visible Light Communication Systems using LED ", Intellectual Research and Innovation Showcase 2019(IRIS2019),10 <sup>th</sup> December 2019, UNISEL (Silver)	2019

21	Mohammad Syuhaimi Ab-Rahman, Roslan Abd Shukor, Kamisah Osman, Ruzymah Idrus, Juwairiyah Ab Rahman dan Iszan Hana Kaharudin "Pendekatan Berasaskan Hasil (PBH) Memberikan Nilai Tambah Melalui Output Pelajar", Teaching & Learning Congress & Innovation Competition (kNOVASI 2020), 5-6th February 2020 at the Tenera Hotel, Bangi, Selangor. (Silver)	2020
22	Juwairiyah Abd Rahman, Muhamad Helmi Salleh Huddin, Mohammad Syuhaimi Ab-Rahman, Hasliza Abu Hassan dan Izyani Mat Rusni, "An Automatic Plant Watering System Using Visible Light Communication(VLC)", National Innovation And Invention Competition Through Exhibition 2020 (iCompEx 20), Jun 2020 (Gold).	2020

## ix. Community Service:

No.	Description	Period
1	AJK PIBG SK MERU 2	2014-2016, 2018
2	BENDAHARI SURAU DARUL ILMU SK MERU 2	2015- sekarang

## x. Professional Service:

No	Description
1	Member – Examiner/Panel for Final Year Project
2	Member – Bengkel Pemantapan Pengurusan Fakulti
3	Evaluation Panel -EAC Document for Bachelor of Electrical Engineering Program
4	Committee Member :Technical Panel – iCompEx'19
5	Committee Member :Technical Panel – iCompEx'20
6	Mendeley Workshop, Speaker for FYP I
7	Pembangunan Program Baru, Jabatan Kejuruteraan. ISM kejuruteraan Pendidikan, Leader
8	Pembangunan Program TVET, Jabatan Kejuruteraan, Leader.

## xi. Other Relevant Information:

PROFESSIONAL MEMBERSHIPS	<ol style="list-style-type: none"> <li>1. Board of Engineer , Members (47046A)</li> <li>2. Malaysian Society for Engineering and Technology (MySet) , Members (000664)</li> <li>3. The Institution of Engineers, Malaysia (IEM) , Members (54214)</li> <li>4. Lembaga Teknologis Malaysia, Member (GT20020200)</li> </ol>
RESEARCH GRANT	<p><b>Geran Penyelidikan Bestari 2017 (Fasa 1)- RM5000 April 2017 – Mac 2018</b></p> <p>Leader: Zulkifli Abdul Rahman</p> <p>Member: Juwairiyah Abdul Rahman Mohd Arif Bin Mat Norman Mohd Darnalis A. Rahman</p> <p>MyOutcomes Software as Outcome based Assessment (OBA) Tool</p>
	<p><b>Geran Penyelidikan Bestari 2017 (Fasa 2)- RM4000 15 Dec 2017 – 15 Nov 2018 GPB/02-UNISEL17/SS-016</b></p> <p><b>Leader:</b> Juwairiyah bt Abdul Rahman</p> <p><b>Member:</b> Zulkifli bin Abdul Rahman Mohd Darnalis Abdul Rahman Mohd Arif bin Mat Norman</p> <p>Embedding Integrated Cumulative Grade Point Average (iCGPA) using the Outcome-Based Education Approach : Integrated Outcome Based Education (iOBE)</p>
	<p><b>Geran Penyelidikan Negeri Selangor (GPNS) 2018 - RM 30,000 14 Dec 2018 – 13 Dec 2020 GPNS-01/UNISEL/18-045</b></p> <p><b>Leader:</b> Juwairiyah Bt Abdul Rahman</p> <p><b>Member:</b> Prof. Ir. Dr. Mohd Syuhaimi Ab Rahman Dr. Hasliza Abu Hassan Dr. Izyani Mat Rusni Ir. Nur Julia Nazim Bt Bulya Nazim Anis Sabirin Bt Baharom</p> <p>The Next Generation of Wireless Communication Using Li-Fi Technology for Eco Smart Building</p>

	<p><b>Geran Penyelidikan Negeri Selangor (GPNS) 2018- RM 30,000</b> <b>14 Dec 2018 – 13 Dec 2022</b> <b>GPNS-01/UNISEL/18-056</b> <b>Leader:</b></p> <p>Dr. Hasliza Abu Hassan</p> <p><b>Member:</b> Juwairiyah Bt Abdul Rahman Sasni Ismail Dr. Izyani Mat Rusni</p> <p>Visualization of Diabetic Retinopathy Graphical User Interface For Detection of Diabetes Mellitus to Prevent The Risk Of Cardiovascular Disease</p>
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