

# Universiti Tun Hussein Onn Malaysia

## Staff Profile

<b>Full Name</b>	Dr. Jameel Abdulla Ahmed Mukred
<b>Faculty</b>	Fakulti Kejuruteraan Elektrik dan Elektronik
<b>Department</b>	JABATAN KEJURUTERAAN ELEKTRONIK
<b>Email</b>	<a href="mailto:jameel@uthm.edu.my">jameel@uthm.edu.my</a>
<b>Designation</b>	DS51 - Pensyarah Kanan



### Field of Expertise

<b>Field Category (KPT)</b>	APPLIED SCIENCES, ENGINEERING AND TECHNOLOGIES
<b>Field (KPT)</b>	Engineering Science and Technology
<b>Field of Specialization (KPT)</b>	Engineering Science and Technology

### Areas of Research Interest

1. Industrial Automation System.
2. Mechatronics design of system.
3. Robotics creation of systems.
4. Softcomputing techniques.
5. Smart Manufacturing.

### Innovation Field of Interest

1. Industrial Automation System in the production process using PLC, sensors and actuators.
2. Mechatronics design of system for assistive technology, rehabilitaion and biomechanics.
3. Robotics creation of systems for learning, adaptaion, decision-making, identification, estimation and control using concepts drawn from cognitive and biological sciences.
4. Softcomputing: optimizing the time of products assembly using optimization techniques such as particle swarm and differential evolution optimization
5. Smart Manufacturing: Automation and robotics, Mechatronics, Human-Machine Collaboration and Hybrid Assembly System.

### Academic Qualification

Year	Qualification	Institution
2015	DOKTOR FALSAFAH KEJURUTERAAN ELEKTRIK	UNIVERSITI TEKNOLOGI MALAYSIA
1999	SARJANA KEJURUTERAAN ELEKTRIK	UNIVERSITI TEKNOLOGI MALAYSIA
1983	SARJANA MUDA TELECOMMUNICATION & ELECTRONICS	INDUSTRIAL TECHNICAL INSTITUTE YEMEN

### Professional Appointments

DS51 - Pensyarah Kanan

### Profesional Societies

Year	Description	Role	Level
01/01/2020 - 31/12/2020	Institute of Electrical and Electronics Engineers (IEEE)	Member	Antarabangsa

## Teaching Experience

Year	Description	Level
2015	Microprocessor System [SMBE3033], Sesi 20152016 Semester 2, Universiti Technology Malaysia, 2015	University
2014	Basic Rehabilitation [SMBE2513], Sesi 20142015 Semester 2, Universiti Teknologi Malaysia, 2014	University
2012	Electrical Technology [SEU1002], Sesi 20122013 Semester 1, Universiti Teknologi Malaysia, 2012	University
2011	Electronics [SEU2012], Sesi 20112012 Semester 2, Universiti Teknologi Malaysia, 2011	University
2011	Digital logic [SEU1212], Sesi 20112012 Semester 1, Universiti Teknologi Malaysia, 2011	University
2010	Digital Electronic [SEE1223], Sesi 20102011 Semester 1, Universiti Teknologi Malaysia, 2010	University
2010	Digital Electronic [SEE1223], Sesi 20102011 Semester 2, Universiti Teknologi Malaysia, 2010	University
2009	Digital Electronic [SEE1223], Sesi 20092010 Semester 1, Universiti Teknologi Malaysia, 2009	University
2009	Digital Electronic [SEE1223], Sesi 20092010 Semester 2, Universiti Teknologi Malaysia, 2009	University
2008	Digital Electronic [SEE1223], Sesi 20082009 Semester 2, Universiti Teknologi Malaysia, 2008	University
2008	Digital Electronic [SEE1223], Sesi 20082009 Semester 1, Universiti Teknologi Malaysia, 2008	University
2007	Digital Electronic [SEE1223],sesi 20072008 Semester 2, universiti Teknologi malaysia, 2007	University
2007	Digital Electronic [SEE1223],Sesi 20072008 Semester 1, Universiti Teknologi malaysia, 2007	University
2006	Digital Electronic [SEE1223], Sesi 20062007 semester 1, Universiti Teknologi Malaysia, 2006	University
2006	Digital Electronic [SEE1223], Sesi 20062007 Semester 2, Universiti Teknologi malaysia	Government
2006	Digital Electronic [SEE1223], Sesi 20062007 Semester 2, universiti teknologi Malaysia, 2006	University
2005	Digital System [SEE-4243], Sesi 2005-2006 semester 1, Universiti Teknologi Malaysia	University
2005	Digital Electronic [SEE1223], Sesi 20052006 semester 2, Universiti Teknologi Malaysia, 2005	University

## Research Grants And Contracts

Code	Title	Designation	End Date
H910	<a href="#">Binary Particle Swarm Optimization Approach in Solving Industrial Assembly Sequence Planning Problem</a>	Ketua	30/06/2023

## Publications

### Book Chapters

#### Jameel Abdulla Ahmad Mukred

(2021) Automatic Soil Moisture Control System For Planting With Iot Based Monitoring, Sensor And Instrumentation System Series 20, UTHM , 64, ISBN:9789672975519

#### Jameel Abdulla Ahmad Mukred

(2021) Development Of A Web-Based Experiment For A Coupled Tank Control System, Sensor And Instrumentation System Series 23, UTHM , 20, ISBN:9789672975939

#### Jameel Abdulla Ahmad Mukred

(2021) Environmental Noise In Residential Area And Its Effects, Sensor And Instrumentation System Series 19, UTHM , 145, ISBN:9789672389521

#### Jameel Abdulla Ahmad Mukred, Abu Ubaidah Shamsuddin

(2021) Review And Comparison On Wiener-Process, And Particle Filtering In Predicting Remaining Useful Life (Rul), Sensor And Instrumentation System Series 23, UTHM , 92, ISBN:9789672975939

#### Jameel Abdulla Ahmad Mukred

(2021) Sensors / Actuators For Biomedical Applications: A Review, Sensor And Instrumentation System / Series 21, UTHM , 21, ISBN:9789672975717

#### Jameel Abdulla Ahmad Mukred

(2021) Study Of External Influences For 3d Printer Quality, Sensor And Instrumentation System Series 21, UTHM , 21, ISBN:9789672975717

#### Jameel Abdulla Ahmad Mukred

(2021) The Application Of Proximity Sensors, Sensor And Instrumentation System Series 20, UTHM , 116, ISBN:9789672975519

#### Jameel Abdulla Ahmad Mukred

(2021) Water Quality Monitoring System, Sensor And Instrumentation System Series 19, UTHM , 25, ISBN:9789672389521

#### Sharifah H. S. Ariffin, M. Affandy Azman, Nik Noordini Nik Abd. Malik, M. Ariff Baharuddin, Jameel Abdulla Ahmad Mukred, Mimi Faisyalini Ramli

(2020) A Survey Of Mobile Edge Computing In Autonomous Vehicle, Sensor & Instrumentation System Series 18, UTHM , 70, ISBN:9789672916444

#### Jameel Abdulla Ahmed Mukred, Ruzairi Abdul Rahim, Elmy Johana Mohamad,

(2020) Drunk Driver Detector, Sensor And Instrumentation System, UTHM , 55, ISBN:9789672306962

**Jameel Mukred, Goh Yong Shen, Rania Hussein Al-Ashwal, Amir H. M. S., Hisyam Bin Abdul Rahman, Ruzairi Abdul Rahim**  
(2019) Surgeon Assistant: Scara Robot Scrub Nurse, Sensor And Instrumentation System, UTHM , 129, ISBN:9789672306962

#### Journal

**Qazwan Abdullah, Nor Shahidah Mohd Shah, Nabil Farah, Waheb A. Jabbar, Noorsaliza Abdullah, Adeeb Salh, Jameel A. A. Mukred**  
(2020) A Compact Size Microstrip Five Poles Hairpin Band-Pass Filter Using Three-Layers Structure For Ku-Band Satellites Application, TELKOMNIKA TELECOMMUNICATION, COMPUTING, ELECTRONICS AND CONTROL, INDONESIA INSTITUTE OF ADVANCED ENGINEERING AND SCIENCE (IAES) , 2, 80, ISSN:16936930

#### Consultancies

Year	Description	Level
2002	Factory manager, Happy Family Establishment Factory for Laser and Audio Cassettes, Saudi Arabia, 2002-2004	International
1999	international Marketing Executive, Multitape Industries Sdn. Bhd., 1999-2002	National
1997	Assistant Tetra Pak (Sweden) Engineer, Yemen Dairy & Juice Industries Ltd., 1988-1996	International

#### Supervision

Year	Description	Role
2016	Supervisor for Muhammad Zulhilmi Bin Zubir, BSc, Universiti Teknologi Malaysia, 2016	Supervisor
2015	Supervisor for Nurhafizah Binti Suib, BSc, Universiti Teknologi Malaysia, 2015	Supervisor
2013	Supervisor for Nadia Syahirah, BSc, Universiti Teknologi Malaysia, 2013	Supervisor
2012	Supervisor for Gabriel Wong Jung Jye, BSc, Universiti Teknologi Malaysia, 2012	Supervisor
2012	Supervisor for Goh Chok How, BSc, Universiti Teknologi Malaysia, 2012	Supervisor
2012	Supervisor for Asmanizam Bin Ghani, BSc, Universiti Teknologi Malaysia, 2012	Supervisor
2012	Supervisor for Nur Syazwani, BSc, Universiti Teknologi Malaysia, 2012	Supervisor
2012	Supervisor for Muhammad Abdul Harun, BSc, Universiti Teknologi Malaysia, 2012	Supervisor
2011	Supervisor for Chee Der Zhan, BSc, Universiti Teknologi Malaysia, 2011	Supervisor
2011	Supervisor for Lim Kee Jin, BSc, Universiti Teknologi Malaysia, 2011	Supervisor
2011	Supervisor for Mohd Taufiq Bin Muslim, BSc, Universiti Teknologi Malaysia, 2011	Supervisor
2011	Supervisor for Wan Ahmad Lutfi, BSc, Universiti Teknologi Malaysia, 2011	Supervisor
2011	Supervisor for Mohd Shafiq Bin Abdul Shakor, BSc, Universiti Teknologi Malaysia, 2011	Supervisor
2010	Supervisor for Koid Wooi Haw, BSc, Universiti Teknologi Malaysia, 2010	Supervisor
2010	Supervisor for Goh Yong Shen, BSc, Universiti Teknologi Malaysia, 2010	Supervisor
2010	Supervisor for Koid Wooi Haw, BSc, Universiti Teknologi Malaysia, 2010	Supervisor
2010	Supervisor for Goh Yong Shen, BSc, Universiti Teknologi Malaysia, 2010	Supervisor
2010	Supervisor for Ismadi Bin Ibrahim, BSc, Universiti Teknologi Malaysia, 2010	Supervisor
2010	Supervisor for Ahmad Faiz Bin Fadzil, BSc, Universiti Teknologi Malaysia, 2010	Supervisor
2010	Supervisor for Farizul Bin Mislan, BSc, Universiti Teknologi Malaysia, 2010	Supervisor
2010	Supervisor for Koid Wooi Kokl, BSc, Universiti Teknologi Malaysia, 2010	Supervisor
2009	Supervisor for Kok Gin Xian, BSc, Universiti Teknologi Malaysia, 2009	Supervisor
2009	Supervisor for Mohd Hazlan Bin Jamal, BSc, Universiti Teknologi Malaysia, 2009	Supervisor
2009	Supervisor for Chiew Tiek Hock, BSc, Universiti Teknologi Malaysia, 2009	Supervisor
2009	Supervisor for Khor Peng Lim, BSc, Universiti Teknologi Malaysia, 2009	Supervisor
2009	Supervisor for Adhwa'ahlami Bin Abdullah, BSc, Universiti Teknologi Malaysia, 2009	Supervisor
2008	Supervisor for Hanisah Bt. Roslan , BSc, Universiti Teknologi Malaysia, 2008	Supervisor
2008	Supervisor for Saidatul Hani Surohedin, BSc, Universiti Teknologi Malaysia, 2008	Supervisor
2008	Supervisor for Mohammad Shahril Bin Hanafiah, BSc, Universiti Teknologi Malaysia, 2008	Supervisor
2008	Supervisor for Salehuddin Bin Arjunaidy, BSc, Universiti Teknologi Malaysia, 2008	Supervisor

2008	Supervisor for Mohd Syamsul Fadilah Bin Amir, BSc, Universiti Teknologi Malaysia, 2008	Supervisor
2008	Supervisor for Choo Siew Keong, BSc, Universiti Teknologi Malaysia, 2008	Supervisor
2008	Supervisor for Ling Dian Miao, BSc, Universiti Teknologi Malaysia, 2008	Supervisor
2008	Supervisor for Rahman Bin Amirulah, BSc, Universiti Teknologi Malaysia, 2008	Supervisor
2008	Supervisor for Shahrulnizam Bin Sulaiman, BSc, Universiti Teknologi Malaysia, 2008	Supervisor
2007	Supervisor for Chong Yew Kim, BSc, Universiti Teknologi Malaysia, 2007	Supervisor
2007	Supervisor for Ismail Yudin Bin Yusof, BSc, Universiti Teknologi Malaysia, 2007	Supervisor
2007	Supervisor for Low Chun Wai, BSc, Universiti Teknologi Malaysia, 2007	Supervisor
2007	Supervisor for Mohd Syazwan Bin Ismail, BSc, Universiti Teknologi Malaysia, 2007	Supervisor
2007	Supervisor for Teo Yuan Wei, BSc, Universiti Teknologi Malaysia, 2007	Supervisor
2007	Supervisor for Muhammad Ridzuan Bin Zulkefli, BSc, Universiti Teknologi Malaysia, 2007	Supervisor
2007	Supervisor for Lor Wey Tsen, BSc, Universiti Teknologi Malaysia, 2007	Supervisor
2007	Supervisor for Eugene Ling Chia Kuong, BSc, Universiti Teknologi Malaysia, 2007	Supervisor
2006	Supervisor for Mohd Nor Hafiz Zahari, BSc, Universiti Teknologi Malaysia, 2006	Supervisor
2006	Supervisor for Shamsul Faisal Bin Mohd Hussein, BSc, Universiti Teknologi Malaysia, 2006	Supervisor
2006	Supervisor for Grace Khoo Mei Ee, BSc, Universiti Teknologi Malaysia, 2006	Supervisor
2006	Supervisor for Mohd Syawal, BSc, Universiti Teknologi Malaysia, 2006	Supervisor

### Extension & Public Services

Year	Description	Level
2012	Paper reviewer member: The 2012 IEEE Region 10 Conference "Sustainable Development through Humanitarian Technology" (TENCON 2012), Nov. 19-22, 2012, Cebu, Philippines	International
2011	Papers reviewer member for International Conference on Modeling, Simulation and Applied Optimization (ICMSAO 2011), 19th-21st April 2011, Kuala Lumpur, Malaysia	International
2009	Papers reviewer member of International Conference for Control, Instrumentation and Mechnronics Engineering (CIM 09), 2nd-3rd June 2009, Malacca, Malaysia.	University
2008	Judge member of Conference on Manufacturing and EElectronic Technology (COMET 08), 26th-27th January 2008, Dewan Sultan Iskandar (DSI), University Technology Malaysia (UTM).	University
2007	Secretariat member of International Conference for Control, Instrumentation and Mechatronic Engineering (CIM 07)-28th-29th May 2007, Persada Johor International Convention Centre Johor Bahru.	International
1997	Shamsudin H. M. Amin, Mohamad Noh A., Zaharuddin M., Jameel Mukred, Mohamad Ghulam Rahman "Design and analysis of a flexible workcell for automated assembly of electric motor" The 4th International Conference on Computer Integrated Manufacturing (ICCIM 97), Vol. 2, pp. 1149-1158, 21-24 October 1997	University

### Courses & Training

Year	Description Organiser / Venue	Date
2021	KURSUS VIDEO EDITING USING COMPUTER PUSAT TEKNOLOGI MAKLUMAT, UTHM / SECARA ONLINE	04/04/2021
2021	TAKLIMAT CEO@FACULTY BERSAMA YBHG. DATO' DR. MOHD SOFI BIN OSMAN - COVID AND ITS IMPACT ON SEMICONDUCTOR INDUSTRY UTHM / ZOOM MEETING	15/03/2021
2020	KNOWLEDGE SHARING TALK ? WHAT ARE THE REVIEWERS? EXPECTATION ON THE QUALITY OF YOUR SCIENTIFIC MANUSCRIPT UTHM / -	15/10/2020
2020	AUTHOR UTHM ACADEMIC ONLINE RESOURCE (REPEAT SESSION) UTHM / PUSAT PEMBELAJARAN ATAS TALIAN TAHAP GLOBAL	08/09/2020
2020	MANAGING JOURNAL TOWARDS SCOPUS AND ISI INDEXING UTHM / -	05/08/2020
2020	SESI 2 - SESI PERTEMUAN TIMBALAN NAIB CANCELOR (PENYELIDIKAN DAN INOVASI) BERSAMA STAF AKADEMIK FKEE UTHM / -	28/04/2020

2019	MARKETING OUR ACADEMIC PUBLICATION FOR UTHM UTHM / UTHM	04/11/2019
2019	EVERYTHING ABOUT "THE MYRA" TALK UTHM / UTHM	29/10/2019
2019	SEMBANG SANTAI BERSAMA RAMLEE KAMARUDIN UTHM / UTHM	10/10/2019
2019	BENGKEL PEMBANGUNAN MOOC SIRI 2/2019 UTHM / MAKMAL MULTIMEDIA 1, PUSAT PENGAJIAN BAHASA	10/10/2019
2019	(STAF) PERSIDANGAN DAN EXPO PECIPTA & RISE 2019 (23/09/2019) UTHM / DSI	23/09/2019
2019	"FROM REGULAR PRESENTER TO INVITED SPEAKER" AND "GOLD AWARD : THE SECRETS" UTHM / UTHM	04/09/2019
2019	BASIC COURSE ON OUTCOME-BASED EDUCATION UTHM / UTHM	27/08/2019
2019	BENGKEL TOT 3 AXIS CNC MACHINE UTHM / UTHM	21/08/2019
2019	TRAINING FOR TRAINERS (TOT) FOR INDUSTRIAL ROBOTIC LABORATORY (MRI) UTHM / UTHM	06/08/2019
2019	JERAYAWARA CGOL 2019 UTHM / BILIK MESYUARAT QA, FKEE	15/07/2019
2019	MESYUARAT FAKULTI KEJURUTERAAN ELEKTRIK DAN ELEKTRONIK UTHM / BILIK SEMINAR, BLOK QB FKEE	07/07/2019
2019	'HOW TO USE ORKED SYSTEM EFFECTIVELY & PERMOHONAN GRAN SMART CHALLENGE FUND , MESTEC" UTHM / UTHM	27/06/2019
2019	SESI PERKONGSIAN : HOW SHOULD I CONDUCT MY RESEARCH AT UTHM UTHM / UTHM	27/05/2019