

DR. VASANTHAN MARUTHAPILLAI
ASSISTANT PROFESSOR
FACULTY OF ENGINEERING & INFORMATION
TECHNOLOGY



1. Academic Qualification

No.	QUALIFICATION	FIELD OF SPECILIZATION	NAME OF AWARDING INSITUTION & COUNTRY	START DATE – END DATE
1.	B.Eng. (Hons) in Mechatronic Engineering	Mechatronic Engineering	University Malaysia Perlis (UniMAP)	July 2007 – July 2011
2.	Doctor of Philosophy in Mechatronic Engineering (Artificial Intelligent)	Mechatronic Engineering (AI)	University Malaysia Perlis (UniMAP)	Sept 2011 – Jan 2017
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2. PREVIOUS EMPLOYMENT RECORD

No.	START DATE – END DATE	POSITION	JOB NATURE	EMPLOYER / COMPANY
1.	Sept / 2011 – March /2016	Graduate Research Assistant	Education	University Malaysia Perlis
2.	Jan / 2010 - Jun / 2010	Asst. Engineer	Industry	Beyonics Precision Machining Snd Bhd
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3. PROFESSIONAL QUALIFICATION / MEMBERSHIP (NATIONAL / INTERNATIONAL)

No.	TYPE OF QUALIFICATIONS / MEMBERSHIP	GOVERNED BY WHICH BODY / COMPANY / ASSOCIATION / OTHERS	AWARDED YEAR / MEMBERSHIP DURATION
1.	Member	Board Of Engineering Malaysia	2017
2.	Member	Malaysia Board of Technologists (MBOT)	2019
3.	Member	The Institution of Engineers Malaysia (IEM)	2021

4. RECOGNITION AWARD (NATIONAL / INTERNATIONAL)

No.	TYPE OF AWARD RECEIVED	RECEIVED FROM WHICH BODY / COMPANY / ASSOCIATION / OTHERS	RECEIVED YEAR
1	EXHIBITION AWARD (<i>GOLD Medal</i>)	International Invention, Innovation & Technology Exhibition (ITEX'21)	DEC 2021
2	EXHIBITION AWARD (<i>GOLD Medal</i>)	International Virtual Expo of Innovation Product & System Design 2021 (In-ViDE 2021)	OCT 2021
3	EXHIBITION AWARD (<i>SILVER Medal</i>)	International Virtual Expo of Innovation Product & System Design 2021 (In-ViDE 2021)	OCT 2021
4	EXHIBITION AWARD (<i>GOLD Medal</i>)	Virtual Expo of Innovation Product and System Design (VIDE) 2020	NOV 2020
5	EXHIBITION AWARD (<i>BRONZE Medal</i>)	Malaysian Society for Automatic Control Engineers	26-27 August 2019
6	EXHIBITION AWARD (<i>BRONZE Medal</i>)	Malaysian Society for Automatic Control Engineers	26-27 August 2019
7	EXHIBITION AWARD (<i>BRONZE Medal</i>)	International Conference On Climbing And Walking Robots Support Technologies For Mobile Machine	Aug 2019
8	EXHIBITION AWARD (<i>GOLD Medal</i>)	International Conference On Climbing And Walking Robots Support Technologies For Mobile Machine	Aug 2020
9	EXHIBITION AWARD (<i>GOLD Medal</i>)	Malaysian International Technology Expo, MTE.	Feb-15



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10	EXHIBITION AWARD (<i>GOLD Medal</i>)	Malaysian International Technology Expo, MTE.	Feb-15
11	EXHIBITION AWARD (<i>GOLD Medal</i>)	International Conference and Exposition on Invention of Institution of Higher Learning, PECIPTA.	Nov-15

5. CONSULTANCY SERVICES / COMMUNITY SERVICES

No.	ORGANIZATION / EVENT / PROJECT	DATE / DURATION	VENUE / COMPANY	ROLE / POSITION
1.	Robotic	2018 –till date	SJKT Tun AMINAH	Advisor
2.	SCIENCE FAIR FOR YOUNG CHILDREN	2014- till date	National (ASTI)	Judge / Advisor
3.				

6. CONFERENCES AND TRAININGS

No.	TITLE OF THE CONFERENCES / TRAINING	DATE	TRAINING VENUE	ORGANIZE BY SPEAKER / TRAINER
1.	Company Emergency Response Team (CERTs)	9 & 10 July 2020	SUC	Lim Kim Leng
2.	Outcome Based Education Training	18 Jun 2020	SUC	Assoc Prof Dr. Sim Hiew Moi
3.	OBE Process Module 1 The Development	3-4 Jan 2018	SUC	Dr.Rozzana Mohd Said
4.	OBE Process Module 2 The Implementation And Evaluation	11-12 Jan 2018	SUC	Dr.Rozzana Mohd Said
5.	OBE Process Module 3 The Planning	27-28 Jan 2018	SUC	Dr.Rozzana Mohd Said
6.	Introduction to Data Science Training	21-22 Sept 2019	SUC	Dr. Lau Cher Han
7.	DEE Introduction Course (OBE,SOP, and Forms)	6 Oct 2020	SUC	Assoc Prof Dr. Sim Hiew Moi



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8	Awareness on Outcome-Based Education (OBE)	21/04/2021	Webinar	Prof. Dr. Hishamuddin Jamaluddin and Dr. Pong Hon Keat
9	Winning FRGS Research Proposal	08 January 2022	Webinar	Prof. Dr. Mohd. Shahir Shamsir Omar

7. RESEARCH AND PUBLICATION

1. **M. Vasanthan**, M. Murugappan, R. Nagarajan, Bukhari Ilias, J. Letchumikanth, "Facial Expression Based Computer Cursor Control System for Assisting Physically Disabled Person" IEEE International Conference on Communication, Networks and Satellite, IT Telkom, Bandung, Indonesia 2012
2. **M. Vasanthan**, M. Murugappan, R. Nagarajan, " Guided Tour on Emotion Recognition Through Facial Action Units For Assisting Physically Disabled." IEEE Symposium on Computer & Informatics Malaysia. 2012
3. M. Murugappan, **M. Vasanthan**, "Intelligent Marker Placement Algorithm for Efficient Emotion Revealing in Real-Time Applications", Expert System, John Wiley & Sons, USA 2013
4. **M. Vasanthan**, and M. Murugappan "Optimal Geometrical Set for Automated Marker Placement to Virtualized Real-Time Facial Emotions", PLoS ONE, Vol: 11(2), e0149003. 2016
Q1, IF:3.54
5. **M. Vasanthan**, and M. Murugappan " Virtual Markers based Facial Emotion Recognition using ELM and PNN Classifiers", 2020 16th IEEE International Colloquium on Signal Processing & Its Applications (CSPA) 2020
6. **M. Vasanthan**, M. Murugappan, Ali K Bourisly, Palani Thanaraj Krishnan, Hariharan Muthusamy" Artificial Intelligence Based CoVID-19 Detection using Medical Imaging Methods: A Review", Book Chapter in "Computational Modelling and Imaging for SARS-CoV- 2 and COVID19. *(Accepted)* 2021
7. **M. Vasanthan**, and M. Murugappan "A Novel Triangle Method with Proposed Features for Facial Emotion Recognition System in Real-Time Application ", *(Under Review)* 2022

8. OTHER ADDITIONAL ADMINISTRATIVE RESPONSIBILITIES

No.	POSITION (APPOINTMENT)	FACULTY / DIVISION / DEPARTMENT	START DATE – END DATE
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1.	Head Of Department	Department of Electric and Electronics	Jan 2019-Dec 2019
2.	Member	MyRA Internal Auditor	Feb 2022-Present
3	Vice-Chair	Moderation Committee	2021- Present
4	Coordinator	Industrial Training (Degree)	2021- Present

9. OTHER RELEVANT INFORMATION

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