CURRICULUM VITAE

ASSOC PROF. DR. SYED ABDUL RAHMAN AL-HADDAD SYED MOHAMED (A02069)

Department of Computer and Communication Systems Engineering,
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Education

1. PHD in Electrical, Electronics And System Engineering, 2011, National University Malaysia (UKM)
2. M.Sc. in Computer And Communication Systems Engineering, 2000, Universiti Putra Malaysia (UPM)
3. Degree In Computer Science (Major In Software Engineering), 1997, Universiti Teknologi Malaysia (UTM)
4. Diploma In Computer Science, 1995, Institut Teknologi Mara (ITM)
5. Associate Diploma Computer Studies, 1992, Swansea Institute of Higher Education, UK.

Areas of Interest

1. Speech/Voice/Sound Recognition; Spoken/Natural Language Understanding; Dialog Modelling, Animal Sound Processing, Al-Quran Sound Processing, ECG Signal

Professional Qualification/ Membership/ Affiliation

1. IEEE Senior Membership
2. MySET
3. Microsoft Certified Technology Specialist (MCTS), Microsoft Institute, 2010
4. Microsoft Certified Professional Developer (MCPD), Microsoft Institute, 2010
5. Essential Of BDA On Fusionex Platform, Dream Cather Consulting Sdn Bhd & Fusionex Institute, 2016
6. Essential Bigdata Analytics On Fusionex Platform, Myprocert Institute, 2016

Appointments

Position	Duration
1. Associate Professor (Grade DS54), Dept. of Computer and Communication Systems Engineering, Faculty of Engineering, UPM	Mac 2012 to date
2. Senior Lecturer (Grade DS52), Dept. of Computer and Communication Systems Engineering, Faculty of Engineering, UPM	Jan, 2006 to Mac, 2012
3. Lecturer (Grade DS45), Dept. of Computer and Communication Systems Engineering, Faculty of Engineering, UPM	May, 2000- Dec, 2005
4. Tutor, Dept. of Computer and Communication Systems Engineering, Faculty of Engineering, UPM	Nov 2000 – March 2006
5. Lecturer, Tun Abdul Razak Institute of Technology, Kuala Lumpur	Jun,1997 - Nov,1997

Publications

Journals (30 recent journals)

1. Asem Khmag, Abd Rahman Ramli, **S. A. R. Al-Haddad**, Noraziahtulhidayu Kamarudin, (2017). Natural Image Noise Level Estimation Based on Local Statistics for Blind Noise Reduction, The

Visual Computer, (In Press). (IF=1.62) (Indexed by Scopus)

2. Mohammad Ali Nematollahi, **S.A.R Al-Haddad**, Abdul Rahman Ramli, Azhar Kassim, Shaiful Jahari Hashim, (2017). Frequency Domain Processing For Artificial Synthesis of Swiftlet's Sound Waves, Journal of Telecommunication, Electronic and Computer Engineering (JTEC), Vol 9, Issue 1-3, Page 8 - 93. (Indexed by Scopus Google Scholar)
3. Abdulmawla Najih, **S.A.R Al-Haddad**, Abd Rahman Ramli, S. J. Hashim and Asem Khmag, (2017). Face Selection for Digital Image Watermarking, International Journal of Applied Engineering Research, Research India Publications. Vol 12, number 5. (IF=0.13 Q3) (Indexed by Scopus).
4. Sadiq H. Abdulhussain, Abd Rahman Ramli, **Syed Abdul Rahman Al-Haddad**, Basheera M. Mahmmod, Wissam A. Jassim, (2017). On Computational Aspects of Tchebichef Polynomials for Higher Polynomial Order, IEEE Access. Vol 5, pg 2470-2478. (1.270, Q2) (Indexed by Scopus).
5. Sura Khalil Abda, **S.A.R Al-Haddad**, Fazirulhisyam Hashimb, Azizol B.H.J. Abdullahc, Salman Yussof, (2016). An Effective Approach For Managing Power Consumption In Cloud Computing Infrastructure, Journal of Computational Science, Elsevier B.V.pg 12. (1.078, Q2) (Indexed by ISI Thompson).
6. Abdulmawla Najih, **S.A.R. Al-Haddad**, Abd Rahman Ramli and S.J. Hashim, Mohammad Ali Nematollahi, (2016). An Overview of Multimodal Biometric Approaches Based on Digital Image Watermarking, Research Journal of Applied Sciences, Engineering and Technology 13(6): 481-494, 2016. (0.15, Q3) (Indexed by Scopus).
7. Noraziahtulhidayu Kamarudin, **SAR Al-Haddad**, Mohammad AM Abushariah, Shaiful Jahari Hashim, Abd Rauf Bin Hassan, (2016). Acoustic Echo Cancellation Using Adaptive Filtering Algorithms For Quranic Accents (Qiraat) Identification, International Journal of Speech Technology, Springer US, vol. 2 issue 2 pg 393-405. (0.282) (Indexed by Scopus).
8. Faraneh Zarafshan, Abbas Karimi, **SAR Al-Haddad**, Shamala Subramaniam, (2016). A Survey on Mutual Exclusion Algorithms for Mobile Ad Hoc Networks, Journal of Computational and Theoretical Nanoscience, American Scientific Publishers, vol 13 issue 5 pg 3472-3487. (1.666, Q2) (Indexed by ISI Thompson).
9. Abbas Karimi, Faraneh Zarafshan, S Amir Shamsi, Mahdiar Ghadiry, **SAR Al-Haddad**, Abdul Rahman Ramli, (2016). HCSA: Heterogeneous Carry Skip Adder, Journal of Computational and Theoretical Nanoscience, American Scientific Publishers, vol 13 issue 5 pg 3497-3500. (1.666, Q2) (Indexed by ISI Thompson).
10. Abdulmawla Najih**, SAR Al-Haddad**, Abd Rahman Ramli, SJ Hashim, Mohammad Ali Nematollahi, (2016). Digital Image Watermarking Based On Angle Quantization In Discrete Contourlet Transform, Journal of King Saud University-Computer and Information Sciences, (Indexed by Scopus).
11. Asem Khmag, Abd Rahman Ramli, **SAR Al-Haddad**, Suhaimi Yusoff, NH Kamarudin, (2016). Denoising of Natural Images Through Robust Wavelet Thresholding and Genetic Programming, The Visual Computer, Springer Berlin Heidelberg, pg 1-14. (1.060, Q2) (Indexed by ISI Thompson)
12. Maryamsadat Hejazi, **SAR Al-Haddad**, Yashwant Prasad Singh, Shaiful Jahari Hashim, Ahmad Fazli Abdul Aziz, (2016). ECG Biometric Authentication Based On Non-Fiducial Approach Using Kernel Methods, Journal Digital Signal Processing, Academic Press 52, pg 72-86 (1.256, Q2) (Indexed by Scopus)
13. Mohammad Ali Nematollahi, Hamurabi Gamboa-Rosales, Francisco J Martinez-Ruiz, I Jose, **SAR Al-Haddad**, Mansour Esmaeilpour, (2016). Multi-factor Authentication Model Based On Multipurpose Speech Watermarking And Online Speaker Recognition, Journal Multimedia Tools and Applications, Springer US, pg 1-31 (1.331) (Indexed by Scopus)
14. Asem Khmag, Abd Rahman Ramli, Shaiful Jahari bin Hashim, **Syed Abdul Rahman Al-Haddad**, (2016). Additive Noise Reduction In Natural Images Using Second-Generation Wavelet Transform Hidden Markov Models, Journal IEEJ Transactions on Electrical and Electronic Engineering, Wiley Subscription Services, Inc., A Wiley Company (1.331) (Indexed by Scopus)
15. Mohammad Ali Nematollahi, **S. A. R. Al-Haddad**, Shyamala Doraisamy, Hamurabi Gamboa-Rosales, (2016). Speaker Frame Selection for Digital Speech Watermarking, National Academy Science Letters (0.261) (Indexed by Scopus)
16. Mohammad Ali Nematollahi, Mohammad Ali Akhaee, **SAR Al-Haddad**, Hamurabi Gamboa-Rosales, (2015). Semi-Fragile Digital Speech Watermarking For Online Speaker Recognition, Journal EURASIP Journal on Audio, Speech, and Music Processing, Springer International Publishing, pg 1-15 (0.345, Q4) (Indexed by Scopus)
17. Asem Khmag, Abd Rahman Ramli, **SAR Al-Haddad**, SJ Hashim, Zarina Mohd Noh, Abdulmawla

AM Najih, (2015). Design of Natural Image Denoising Filter Based on Second-Generation Wavelet Transformation and Principle Component Analysis, Journal of Medical Imaging and Health Informatics, American Scientific Publishers, pg 1261-1266 (0.503, Q4) (Indexed by ISI Thompson)

18. Mohammad Ali Nematollahi, Hamurabi Gamboa-Rosales, Mohammad Ali Akhaee, **SAR Al-Haddad**, (2015). Robust Digital Speech Watermarking For Online Speaker Recognition, Journal Mathematical Problems in Engineering, Hindawi Publishing Corporation, vol 2015 (0.644) (Indexed by Scopus)
19. Maryamsadat Hejazi, **SAR Al-Haddad**, Yashwant Prasad Singh, Shaiful Jahari Hashim, Ahmad Fazli Abdul Aziz, (2015). Multiclass Support Vector Machines for Classification of ECG Data with Missing Values, Journal Applied Artificial Intelligence, Taylor & Francis, pg 660-674 (0.527, Q4) (Indexed by Taylor Francis Online)
20. AK Mwinyi, **SAR AL-Haddad**, SJ Hashim, R Abdullah, L Aldibayeva (2015). A Model of Online Assessment and Teaching Monitoring for Learning Management System to Improve Learning Cognitive Skills, Journal Advanced Science Letters, American Scientific Publishers, 21 (7), 2215-2220 (Indexed by Advanced Science Letters)
21. Mohammad Ali Nematollahi, **SAR Al-Haddad**, Faraneh Zarafshan (2015). Blind Digital Speech Watermarking Based On Eigen-Value Quantization in DWT, Journal of King Saud University-Computer and Information Sciences, Elsevier, pg 58-67 (Indexed by **ScienceDirect**)
22. Mohammad Ali Nematollahi and **S. A. R. Al-Haddad**, (2015). Distant Speaker Recognition: An Overview, Journal International Journal of Humanoid Robotics, World Scientific Publishing Company, pg 1550032 (0.690) (Indexed by ISI Thompson)
23. A Karimi, K Aghakhani, SE Manavi, F Zarafshan, **SAR Al-Haddad**, (2014). Introduction and Analysis of Optimal Routing Algorithm in Benes Networks, Journal Procedia Computer Science, Publisher, vol 42, pg 313-319, 2014 (0.705) (Indexed by ScienceDirect)
24. Abbas Karimi, Faraneh Zarafshan, **SAR Al-Haddad**, Abdul Rahman Ramli, (2014). A Novel-Input Voting Algorithm For X-by-Wire Fault-Tolerant Systems, Journal The Scientific World Journal, Publisher Hindawi Publishing Corporation, vol 2014 (0.33) (Indexed by **Hindawi**)
25. Asem Khmag, Abd Rahman Ramli, **SAR Al-Haddad**, SJ Hashim, (2014). Denoising of Natural Image Based on Non-Linear Threshold Filtering Using Discrete Wavelet Transformation, International Review on Computers and Software (IRECOS) 9 (8), 1348-1357, 2014 (0.522) (Indexed by Scopus)
26. A Karimi, A Afsharfarnia, F Zarafshan, **SAR Al-Haddad**, A Novel Clustering Algorithm for Mobile Ad Hoc Networks Based on Determination of Virtual Links' Weight to Increase Network Stability, The Scientific World Journal 2014 (1.73) (Indexed by Scopus)
27. Asem Khmag, Abd Rahman Ramli, **Syed Abdul Rahman Al-Haddad** and Shaiful Jahari Bin Hashim, (2014). Additive And Multiplicative Noise Removal Based On Adaptive Wavelet Transformation Using Cycle Spinning, American Journal of Applied Sciences 11 (2): 316-328, 2014 (0.27) (Indexed by Scopus)
28. Asem Khmag, Abd Rahman Ramli, Shaiful Jahari Hashim and **Syed Abdul Rahman Al-Haddad**, (2013). Review of Image Denoising Algorithms Based on the Wavelet Transformation, International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE) ISSN 2278 – 3091, 2013 (0.378) (Indexed by DOAJ, getCITED, ULRICHS)
29. Abbas karimi, S. M. Abedini, Faraneh Zarafshan**, S.A.R Al-Haddad**, Cluster Head Selection Using Fuzzy Logic and Chaotic Based Genetic Algorithm in Wireless Sensor Network, J. Basic Appl. Sci. Res. 2013 3(4): 694-703 (1.200) (Indexed by GetCITED, ProQuest, Open J-Gate, Issuu)
30. Mohammad Ali Nematollahi, S.A.R Al-Haddad, An overview of digital speech watermarking, International Journal of Speech Technology, 2013 (Indexed by Scopus)

Conference Proceedings (30 recent Conference Proceedings)

1. Maryamsadat Hejazi, **SAR Al-Haddad**, Shaiful Jahari Hashim, Ahmad Fazli Abdul Aziz, Yashwant Prasad Singh, (2016). Feature level fusion for biometric verification with two-lead ECG signals, 2016 IEEE 12th International Colloquium on Signal Processing & Its Applications (CSPA), IEEE pg 54-59
2. Paul Yong Ng, Chee Kyun Ng, **Syed Abdul Rahman Al-Haddad**, (2015). Physiotherapy for Elderly through Exergames using Microsoft Kinect Sensor, Journal Proceedings of the Asia-Pacific Advanced Network, pg 119-129
3. Abdulmawla Najih, **Syed Abdul Rahman Al-Haddad**, Abd Rahman Ramli, Shaiful Jahari Hashim, (2015). A New Colour Image Watermarking Technique Using Special Domain, IT

Convergence and Security (ICITCS), 2015 5th International Conference, IEEE, pg 1-5

4. Sura Khalil Abd, Rawia Tahrir Salih**, SAR Al-Haddad**, Fazirulhisyam Hashim, Azizol B HJ Abdullah, Salman Yussof, (2015). Cloud Computing Security Risks With Authorization Access For Secure Multi-Tenancy Based On AAAS Protocol, Conference TENCON 2015-2015 IEEE Region 10 Conference, IEEE, pg 1-5
5. Sura Khalil Abd, **SAR Al-Haddad**, Fazirulhisyam Hashim, Azizol Abdullah, A review of cloud security based on cryptographic mechanisms, Biometrics and Security Technologies (ISBAST), 2014 International Symposium IEEE, 106-111.
6. Noraziahtulhidayu Kamarudin, **SAR Al-Haddad**, Shaiful Jahari Hashim, Mohammad Ali Nematollahi, Bin Hassan, Abd Rauf, Feature extraction using Spectral Centroid and Mel Frequency Cepstral Coefficient for Quranic Accent Automatic Identification, Research and Development (SCOReD), 2014 IEEE Student Conference, Batu Ferringhi.
7. MA Nematollahi, **SAR Al-Haddad**, S Doraisamy, M Ranjbari, Digital speech watermarking for anti-spoofing attack in speaker recognition, Region 10 Symposium, 2014 IEEE, 476-479.
8. N Kamarudin, **SAR Al-Haddad**, ARB Hassan, MAM Abushariah, Al-quran learning using mobile speech recognition: An overview, International Conference Computer and Information Sciences (ICCOINS), 2014.
9. M.A nematollahi, **S.A.R Al haddad**, shymala doraisamy, Blind Digital Speech Watermarking based on Eigen-Value Quantization in DWT, TENSYMP 2014 IEEE conference, Kuala Lumpur
10. Asem Khmag, Abd Rahman Ramli, **Syed Abdul Rahman Al-Haddad** and Shaiful Jahari Bin Hashim , "A Detailed Study on Image Denoising Algorithms by Using the Discrete Wavelet Transformation ". International Conference on Advances in Computer Science, Electronics & Communication Technologies 25th January, 2014 Bangkok, Thailand.
11. **S.A.R Al-Haddad** , Future Human Data, Keynotes The International Conference on Circuits, Power and Computing Technologies (ICCPCT-2013), India
12. A.K. Mwinyi, **S.A.R. Al-Haddad**, S. J. Hashim, R. Hj Abdullah, Adaptive Design Model on Heterogeneous Learning Management System (LMS) by Utilizing Multi-Agent System (MAS), 2nd International Conference on Computer Science and Data Mining (ICCSDM'13), Pattaya, Thailand
13. A.K. Mwinyi, **S.A.R. Al-Haddad**, S. J. Hashim, R. Hj Abdullah, Interoperability of Multi-Agent System in Heterogeneous Learning Management System (HLMS) by Deploying Wireless Sensor Networks (WSNS), Proceedings of the 4th International Conference on Computing and Informatics, ICOCI 2013 28-29 August, 2013 Sarawak, Malaysia.
14. A.K. Mwinyi, **S.A.R. Al-Haddad**, S. J. Hashim, R. Hj Abdullah, Intelligent Students Assessments and Teaching Activity Monitoring for Putra Learning Management System (PLMS), International Conference On Assessment For Higher Education Across Domains And Skills (AHEADS2013) Kuala Lumpur, 17-19 December 2013
15. M.A nematollahi, **S.A.R Al-Haddad**, Shymaladoraisamy, Faranehzarafshan, Interacting Video Information via Speech Watermarking for Mobile Second Screen in Android Smartphone IEEE SCORED 2013
16. Che Yong Yeo, **SAR Al-Haddad**, Chee Kyun Ng, Dog voice Identification (ID) for Detection System, Second International Conference on Digital Information Processing and Communications (ICDIPC), 2012, Klaipeda, Lithuania
17. MA Nematollahi, **SAR Al-Haddad**, S Doraisamy, MIB Saripan, Digital Audio and Speech Watermarking Based on the Multiple Discrete Wavelets Transform and Singular Value Decomposition, Modelling Symposium (AMS), 2012 Sixth Asia, pg 109-114
18. H Faiiazee, R Abdullah, **SAR Al-Haddad**, K Samsudin Text mining in bioinformatics: Past, present and future, International Information Retrieval & Knowledge Management (CAMP), 2012
19. Mohd Hafidz Mohamad Jamil, **S.A.R. Al-Haddad** and Chee Kyun Ng, A Flexible Speech Recognition System for Cerebral Palsy Disabled, Communications in Computer and Information Science" (CCIS) Series of Springer LNCS, 2011
20. M. Hafidz M. J., **S.A.R. Al-Haddad**, Chee Kyun Ng, 2011. Speech Recognition System for Cerebral Palsy, International Conference on Communications and Information Technology (CIT '11), Corfu, Greece, July 14-17, 2011.
21. Faraneh Zarafshan, Abbas Karimi, **S. A. R. Al-Haddad**, M. Iqbal Saripan, Shamala Subramaniam, 2011. A Preliminary Study on Ancestral Voting Algorithm for Availability Improvement of Mutual Exclusion in Partitioned Distributed Systems. International Conference on Computers And Computing (ICCC '11), Lanzarote, Canary Islands, Spain May 27-29, 2011.
22. Zarafshan, F., Karimi, A., A. B. Jantan and **S.A.R. Al-Haddad**, A Novel Fuzzy Diffusion Approach for Improving Energy Efficiency in Wireless Sensor Networks. In 3rd International Conference on Machine Learning and Computing (ICMLC 2011), 2011, Singapore, Scopus, ISI-P

23. Yeo Che Yong, **S. A. R. Al-Haddad**, Ng Chee Kyun "Animal Voice Recognition for Controlling Home Devices", The 7th International Colloquium on Signal Processing and its Applications (CSPA 2011), Penang, Malaysia, March 9-11, 2011.
24. **S. A. R. Al-Haddad**, An Automatic Malay Speech Recognition System for Dysathric, Proceedings of the 8th WSEAS International Conference on Circuits, Systems, Electronics, Control & Signal Processing (CSECS '09), Puerto De La Cruz, Tenerife, Canary Islands, Spain, December 14-16, 2009, pg 40 -46.
25. **S. A. R. Al-Haddad**, Speech Disorder Malay Speech Recognition System, Proceedings of the 2nd WSEAS International Conference On Visualization, Imaging And Simulation (VIS '09), Morgan State University, Baltimore, USA, November 7-9, 2009, pg 69-75.
26. **S. A. R. Al-Haddad**, Salina Abdul Samad, Aini Hussein, Khairul Anuar Ishak, Ali O. Abid Noor, "Robust Digit Recognition With Dynamic Time Warping And Recursive Least Squares", International Symposium on Information Technology 2008, KLCC Kuala Lumpur, 26-29 August 2008.
27. **Syed Abdul Rahman Al-Haddad**, Salina Abdul Samad & Aini Hussain, Development of a Robust Speech Recognition Using DTW, HMM and SVM, Digital Signal Processing (DSP), Postgraduate Research Seminar 2008, Equatorial Hotel, Bangi Selangor, 24th June 2008.
28. **Syed Abdul Rahman Al-Haddad**, Salina Abdul Samad & Aini Hussain, Khairul Anuar Ishak, Hamid Vaziri, "Decision Fusion for Isolated Malay Digit Recognition Using Dynamic Time Warping (DTW) and Hidden Markov Model (HMM)", The 5th Student Conference on Research and Development –SCOReD 2007, Malaysia, 11-12 December 2007.
29. **Syed Abdul Rahman Al-Haddad**, Salina Abdul Samad & Aini Hussain, Khairul Anuar ishak, Hamid Vaziri, "Hybrid Technique for Isolated Malay Digit Recognition Using Dynamic Time warping and Hidden Markov Model", Proceedings of the Seminar on Science & Technology, Tawau, Sabah. 26-27 October, 2007. Pg 233-240
30. **Syed Abdul Rahman Al-Haddad**, Salina Abdul Samad, Aini Hussain, Khairul Anuar Ishak "Automatic Recognition for Malay Isolated Digits", The 3rd International Colloquium on Signal Processing and its Applications (CSPA 2007), Melaka, Malaysia, March 9-11, 2007.

Books (If any)

1. S.A.R. Al-Haddad , Mohd Hafidz Mohamad Jamil, and Chee Kyun Ng Cerebral Palsy Speech Recognition System, LAP Lambert Academic Publishing, 2012

Chapter in Books (If any)

2. Mohd Hafidz Mohamad Jamil, S.A.R. Al-Haddad and Chee Kyun Ng Chapter in Book, A Flexible Speech Recognition System for Cerebral Palsy Disabled, International Communications in Computer and Information Science" (CCIS) Series of Springer LNCS, 2011
3. Abd Rahman Ramli, Syed Abdul Rahman Syed Mohamed and Beh Kok Siang, Short Messaging Services (SMS) – Past, Present and Future, Advanced Technology Research Bulletin, Institute of Advanced Technology, UPM, Vol. 2, No. 1, pp. 10-11, June 2004.
4. Mohd Yusof Ismail, Ab. Rahman Ramli, Napsiah Ismail, Syed Abd Rahman Al-Haddad, Rosiah Osman, Juraina Md Yusof and Muhammad Saufi Mohd Kassim (Editors) Advanced Technology Congress 2003, Universiti Putra Press 2004, ISBN 983-2871-55-7
5. Syed Abdul Rahman, Tan Cheng Hong, Abd Rahman Ramli, "World Wide Fax", Tribun Putra, Universiti Putra Malaysia, Mei/Jun 2002
6. Syed Abdul Rahman Al-Haddad, Book on C (On progress)

Research Grants

No	Project Title	Amount (RM)	Year	Source of Fund
1.	SMS Gateway Interface	RM 10,000	2002-2004	UPM
2.	Audio on Demand System Using RTP protocol Based on JMF API	RM 30,000	2002-2004	UPM
3.	Remote Database Uploading Using Fax	RM 10,000	2002-2003 (Completed)	UPM
4.	Develop Fax Based Registration Software	RM 10,000	2000-2002	UPM
5.	Develop Fax Based Registration Software	RM 80,000	2000-2002	FRGS

			(Completed)	
6.	Development of Combinatorial Optimisation for Cutting Tool Path Strategy	RM 70,000	2007-2009 (Completed)	RUGS
7.	Study on the Extraction and Freeze-Drying Processes of Piper betle L. Standardized Extract	RM 57,000	2007-2009 (Completed)	UPM
8.	Malay Digit Speech Recognition System for Dysarthric	RM 30,000	2010-2011 (Completed)	RUGS
9.	The Design of Speech Segmentation Algorithm For Malay News Broadcasting	RM 50,000	2009-2011 (Completed)	FRGS
10.	Modeling a Hybrid Mobile AD Hoc Network Based Algorithm	RM 63,000	2012-2013 (Completed)	FRGS
11.	A novel dynamic distributed voting algorithm for fault-tolerance in distributed systems	RM 15,000	2012-2013 (Completed)	RUGS
12.	Modeling Software agents on bioinformatics datasets	RM 25,000	2012-2013 (Completed)	RUGS
13.	Intuitive Learning Environment in Higher Learning Institution	RM 10,000	2012-2014 (Completed)	GIPP
14.	Second Screen Video Via Mobile Digital Video Identification	RM 15,000	2013 (Completed)	MDEC
15.	Swiftlets Wave Sound Detection, Recognition and Synthesis through Spectrogram Processing	RM 150,800	2013-2015 (Completed)	MOA
16.	Power quality stability and demand response analysis of power system	RM 150,000	2013-2015 (Completed)	UPM
17.	Exploring a New Interoperability Model on Heterogeneous LMS by Utlizing Multi-Agent Systems (MAS)	RM 63,000	2013-2015 (Completed)	UPM
18.	Fault Tolerant Control of Unmanned Aerial Vehicles (UAVs) Flying in Swarms	RM 55,800	2013-2016 (Completed)	UPM
20.	A Study On Subject Recognition Non-Fiducial Electrocardiogram Biometric System Using Kernel Methods	RM 82,800	2014-2017 (Ongoing)	FRGS
21.	Data Transfer Security in Cloud Using Combination of Multicast Key Management and Symmetric Encryption Algorithm	RM 20,000	2015-2016 (Ongoing)	RUGS
22.	Acoustic Echo Cancellation Using Affine Projection Algorithm for Accents Automatic Identification	RM 20,000	2016-2018 (Ongoing)	GP

Awards/Recognition (Current)

Num	Name of awards	Title	Award Authority	Award Type	Year
1	Bronze Medal	Fax Net View	Invention, Innovation, Industrial Deasign Technology (I.TEX 2002) Kuala Lumpur, 29-31 Mac 2002.	National	2002
2	2nd Runner Up	Remote Database Uploading Using Fax	Shell-SPE-UTM Inter-Varsity Student Paper Presentation Contest, University Teknologi Malaysia, Skudai, Johor. 2-3 Feb 2002	National	2002
3	Celcom Award for 2002	Remote Database Uploading Using Fax	Celcom	National	2002
4	Winner PIKOM	SMS Gateway Interface	IPTA Research & Development Expositions, PWTC, Kuala Lumpur, 9-12, October, 2003.	National	2003
5	Timedotcom 2004	Wireless And Mobile System For Doctors In Hospital	Timedotcom 2004	National	2004
6	Excellence Award	Fax Net View	Invention, Innovation, Industrial Design Technology (I.TEX 2002) Kuala Lumpur, 29-31 Mac 2002.	National	2006
7	Bronze Medal	Speech Recognition for Disable People	Invention, Innovation, Industrial Design Technology (I.TEX 2009) KLCC Kuala Lumpur, 29-31 Mac 2009.	National	2009
8	Excellence Award		Excellence Award Year Achievements		2006, 2010, 2011, 2012, 2013, 2014, 2015
9	Bronze Medal	Digital Speech Watermarking For Online Speaker Recognition	G.722 VoIP Channel	National	2015
10	Gold Medal	GULAGA Second Screen Video Information	Mobile Digital Video Identification at The World Exhibition on Inventions, Researchs and New Technologies (INNOVA), Brussels, Belgium.	National	2015
11	Special Award form Jury (Bosnia)	GULAGA Second Screen Video Information	Mobile Digital Video Identification at The World Exhibition on Inventions, Research and New Technologies (INNOVA),	National	2015

			Brussels, Belgium.		
12	Young Scientist Awards		IEEE TENCON 2015, Macau	National	2015
13	Bronze Medal	Heterogonous Learning Management Systems	PECIPTA Feb 2016	National	2016
14	Bronze Medal	Real Time Early Detection of Heart Disease (Arrhythmia)	ECG Signals Employing A Novel Time – Frequency Technique, PRPi16, November 2016	National	2016
15	Silver Medal	Improving Energy Consumption in Cloud Computing Data Centre	PRPi16, November 2016	National	2016
16	Silver Medal	Kernel Methods in ECG Biometrics	PRPi16, November 2016	National	2016
17	Best of Media and Entertainment Technology	GULAGA : Second Screen Video	APICTA 2016, 20 Oct 2016		2016
18	Silver Medal	Accents Automatic Identification Through Feature Selection (Extended Ant Colony Optimization & Sequential Parameterizing) On Echo Cancellation & Pattern Classification.		National	2016
19	Silver Medal	Improving Energy Consumption In Cloud Computing Data Centre,	28th International Invention Innovation & Technology Exhibition 2017	International	2017

Professional Services/Consultation

No	Year	Title	Authority	Amount
1.	2003-2005	Panel, Industry Research and Development Grant Scheme (IGS)	Ministry of Science Technology and Innovation (MOSTI) MOSTI, Parcel C, Putra Jaya	
2.	2011	Consultant, Prepare course content for Petronas Oil and Gas	Petronas	
3.	2011	Panel, Malaysia Qualification Agency	MQA, Malaysia	
4.	2013	Project Manager, Second Screen Video	WAFINA and MDEC	

5.	Dec 2014	Information via Mobile Digital Video Identification Lecture to Petronas on Security and Surveillance	Petronas
6.	2016	Expert Matter, Review on 3D Anamorphic	MTDC
7.	2016	Researcher, MyCOMS Project	Toyota Auto Body (Malaysia) Sdn Bhd

Student Supervision

PhD (Main Supervisor)

No.	Name	Title	Status
1.	Faraneh Zarafshan (GS25621)	Voting Algorithm for Mutual Exclusion for Distributed System	Graduated
2.	Hadee Faiiazee (GS25621)	Modeling Software agents on bioinformatics datasets	In progress
3.	Amir Kombo Mwinyi (GS31558)	MAC Layer Protocol Design Optimization For Crowdsourcing Environment Using Distributed P2P Network	Completed
4.	Mohamad Ali Nemattolahi (GS31565)	Cryptography and MultiMedia Data Hiding	Graduated
5.	Rawia Tahrir Salih (GS32167)	Multi-Tenancy Architecture Implementation and Security in Public Cloud Environment	In progress
6.	Maryam Sadat Hejazi (GS33580)	ECG Biometric Recognition	In progress
7.	AbdulMawla Najih (GS35603)	Tajweed Speech Recognition	In progress
8.	Noraziahtulhidayu Binti Kamarudin (GS37053)	Qira'at Identification Through Sequential Windowing Parameterizing And X-Ant Colony Optimization	In progress
9.	Sura Khalil Abd (GS37091)	Improving Energy Consumption in Cloud Computing Data Centre	Completed
10.	Hasan Mohammad Hasan Abdelqader (GS40829)	Vehicular Ad Hoc Network	In progress

MS with thesis (Main Supervisor)

No.	Name	Title	Status
1.	Kamala Ernest (GSO6628)	Online energy- use benchmarking for industries in Malaysia	Graduated
2.	Isah Abdul Azeez Watson (GS29893)	Reinforcement of Security Architecture for RFID- Based Authentication protocol in Mobile Payment Platform	In Progress
3.	Seyed Hossein Masoumid Ezfouli (GS30876)	Sound Localization Detection	In Progress
4.	Laith Emad Hamid	Automated Plant Classification System using a	Graduated

No.	Name	Title	Status
	(GS31508)	Hybrid of Shape and Color Features of the Leaf	

MS without Thesis (Main Supervisor)

No.	Name	Title	Status