

CURRICULUM VITAE



PROFESSOR DR. ALYANI ISMAIL

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Education

1. PhD, Electronics Engineering, 2006, University of Birmingham, United Kingdom
2. MSc, Communication, Computer and Human-Centred Systems Engineering (Major in Communication), 2001, University of Birmingham, United Kingdom
3. BEng (Hons), Electronic and Information Engineering, 1999, University of Huddersfield, United Kingdom

Areas of Interest

1. Wireless, Mobile and Satellite Communication Devices
2. Antenna and Electromagnetic Wave Propagation
3. Microwave and Radar Communication Devices
4. Wireless Sensor Network
5. High-frequency Sensors
6. Defense and Security Systems

Professional Qualification/ Membership/ Affiliation

1. Chair, Malaysia Council of E-Learning Coordinators of Public Universities (MEIPTA), 2016-2018
2. Executive Committee, IEEE AP/EMC/MTT Chapter (Malaysia) 2012-2013
3. Executive Committee, IEEE GOLD Affinity Group (IEEE) 2009-2010
4. Member, Institute of Electrical and Electronics Engineers (IEEE)
5. Member, International Association of Engineers (IAENG)
6. Graduate Member, Board of Engineers Malaysia (BEM)

Appointments

Position	Duration
1. Deputy Director (Teaching and Learning Innovation), Centre for Academic Development (CADE), UPM	1 March 2012 – May 2018
2. Head, Department of Computer and Communication Systems Engineering, Faculty of Engineering	1 September 2010 – 29 Feb 2012
3. Head, Wireless Devices and Propagation Laboratory, Centre of Excellence for Wireless and Photonic Networks, Faculty of Engineering, UPM	2009 - 2011
4. Coordinator for Franchise Program of Diploma in Multimedia Technology Engineering, Faculty of Engineering, UPM	2007 - 2010
5. Head of Wireless Communication Engineering Laboratory, Dept. of Computer and Communication Systems Engineering, Faculty of Engineering, UPM	2007 - 2010
6. Postgraduate Coordinator, Dept. of Computer and Communication Systems Engineering, Faculty of Engineering, UPM	2007 – 2009
7. Academic Coordinator (Compucation Engineering), Dept. of Computer and Communication Systems Engineering, Faculty of Engineering, UPM	2007 - 2012

8. Head of Electronic Communication Engineering Laboratory, Dept. of Computer and Communication Systems Engineering, Faculty of Engineering, UPM 2006 -2007

Publications	
Journals (30 recent journals)	
1.	Ali Kamil Marzook, Alyani Ismail, Borhanuddin Mohd Ali, Aduwati Sali and Sabira Khatun. Singular value decomposition rank-deficient-based estimators in TD-SCDMA systems. <i>Circuits, Systems and Signal Processing</i> 32 (1), pp. 205-221, 2013. (IF = 0.982)
2.	Marzook, A.K., Ismail, A., Ali, B.M., Sali, A., Khalaf, M.H., Khatun, S. Reduced Rank Technique for Joint Channel Estimation and Joint Data Detection in TD-SCDMA Systems. <i>Wireless Personal Communications</i> , 69 (4) p.p 1629-1646 2013 (IF = 0.428)
3.	Ali Kamil Marzook, Alyani Ismail, Borhanuddin Mohd Ali, Aduwati Sali and Sabira Khatun Reduced-rank technique for joint channel estimation in TD-SCDMA systems. <i>International Journal of Electronics</i> , 2013 Vol 100(2) 274-287 (IF=0.509)
4.	Jalal, A.S.A, Ismail, A., Alhawari, A.R.H., Rasid, M.F.A., Noordin, N.K., Mahdi, M.A. Miniaturized metal mount Minkowski fractal RFID tag antenna with complimentary split ring resonator. <i>Progress in Electromagnetic Research C</i> , 2013, 39, 25-36
5.	Azari, A., Ismail, A, Sali, A., Hashim, F.H. A New Super Wideband Fractal Monopole-Dielectric Resonator Antenna <i>IEEE Antennas and Wireless Propagation Letters</i> 2013 12 1014-1016 (IF = 1.667)
6.	Al-Saegh, A.M., Sali, A., Mandeep, J.S., Ismail, A. Extracted atmospheris impairments on earth-sky signal quality in tropical regions at Ku-band. <i>Journal of Atmospheric and Solar-Terrrestrial Physics</i> 2013 104 96-105 (IF=1.625)
7.	Al-Ghaili, A.M., Mashohor, S., Ramli, A.R., Ismail, A. Vertical-edge-based car-license-plate detection method. <i>IEEE Transactions on Vehicular Technology</i> , 2013 62 (1) 26-38 (IF =2.06)
8.	Cholan, N.A., Al-Mansoori, M.H., Noor, A.S.M., Ismail, A., Mahdi, M.A. Switchable single-and dual-wavelength erbium-doped fiber laser assisted by four-wave mixing with wide and continuos tunability <i>Applied Physics B: Lasers and Optics</i> , 2013, In press, 1-6 (IF =1.782)
9.	Cholan, N.A., Al-Mansoori, M.H., Noor, A.S.M., Ismail, A., Mahdi, M.A. Flattening effect of four wave mixing on multiwavelength Brillouin-erbium fiber laser. <i>Applied Physics B: Lasers and Optics</i> , 2013, 112 (2), 215-221 (IF = 1.782)
10.	Shamsan Salleh, A.M., Ali, B.M., Mohamad, H., Rasid, M.F.A., Ismail, A. RRSEB: A reliable routing scheme for energy-balancing using a self-adaptive method in wireless sensor networks. <i>KSII Transactions on Internet and Information Systems</i> , 2013, 7(7), 1585-1609 (IF =0.56)
11.	Ben-Mubarak, M.A, Mohd Ali, B., Noordin, N.K., Ismail, A., Ng, C.K. Fuzzy logic based self-adaptive handover algorithm for mobile WiMAX. <i>Wireless Personal Communication</i> , 2013, 71(2), 1421-1442 (IF = 0.428)
12.	Shakir, A.A., Ng, C.K., Noordin, N.K., Ismail, A. Efficient back-off mechanism for multimedia support in 802.11e EDCA wireless ad-hoc networks. <i>Wireless Personal Communication</i> , 2013, 71(1), 439-466 (IF = 0.428)
13.	Ben-Mubarak, M.A, Mohd Ali, B., Noordin, N.K., Ismail, A., Ng, C.K. Mobile station movement direction prediction (MMDP) based handover scanning for mobile WiMAX system. <i>Wireless Personal Communication</i> , 2013, In press, 1-27 (IF = 0.428)
14.	Cholan, N.A., Al-Mansoori, M.H., Noor, A.S.M., Ismail, A., Mahdi, M.A. Multi-wavelength generation by self-seeded fourwave mixing. <i>Optics Express</i> , 2013, 21(5), 6131-6138 (IF = 3.546)
15.	Zawawi, N.A, Ismail, A., Abdan, K., Mahdi, MA. From waste to Electronics: Printed Circuit boards using renewable resources of oil palm empty fruit bunch. <i>Advanced Materials Research</i> , 2012, 567, 263-266
16.	Shamsan Salleh, A.M., Ali, B.M., Mohamad, H., Rasid, M.F.A., Ismail, A. A Self-optimizing scheme for energy balanced routing in wireless sensor networks using sensor Ant. <i>Sensors (Switzerland)</i> , 2012 12(8) 11307-11333 (IF = 1.953)
17.	Mohammadpoor, M., Abdullah, R.S.A., Ismail, A., Abas, A.F. A Circular synthetic aperture radar for on-the-ground object detection. <i>Progress in Electromagnetic Research</i> . 2012, 134, 301-322 (IF = 5.298)
18.	ARH Alhawari, A. Ismail, M.A Mahdi, R.S.A Raja Abdullah. Miniaturized Ultra-Wideband Antenna Using Microstrip Negative Index Metamaterial. <i>Electromagnetics</i> . 2011. Vol. 6, Issue 21, 404-418 (IF = 0.844)

19. Y.G. Shee, M.H. Al-Mansoori, A. Ismail, S. Hitam, and M.A. Mahdi. Multiwavelength Brillouin-Erbium fiber laser with double-Brillouin-frequency spacing. Optics Express, 2011, Vol. 19, No. 3, 1699-1706 (IF = 3.28)
20. Ahmad M Shamsan, Pooria Varahram, Borhanuddin Mohd Ali, Mohd Fadlee A Rasid, Alyani Ismail. Self-Decision Route Selection for Energy Balancing in wireless sensor network. International Journal of Physical Science, 2011, 6(36), 8105-8114 (IF = 0.540)
21. M.M Poor, R.S.A Raja Abdullah, A. Ismail, A.F. Abas. A Circular Synthetic Aperture Radar For On-The-Ground Object Detection. Progress in Electromagnetics Research (PIER), 2011, Vol 122, 269-292 (IF = 3.745)
22. Y.G. Shee, M.A. Mahdi, A. Ismail, S. Hitam, M.H Al-Mansoori. Multiwavelength Brillouin-Erbium fiber laser with double-Brillouin-frequency spacing. Optics Express 2011 Vol. 19, Issue 3 1699-1706 (IF = 3.749)
23. H. Adam, A. Ismail, M.A. Mahdi, A. Alhawari and B.K.Esfeh. Compact Wideband Multilayer Microstrip Coupled Lines Bandpass Filter for X-Band Application. Microwave and Optical Technology Letters 2010, Vol. 52, No. 2, 448 – 450 (IF = 0.743)
24. M. S. Razalli, M. A. Mahdi, A. Ismail, S. M. Shafie, and H. Adam. Design and development of wireless communication transceiver to support RFID reader at UHF band. Journal of Electromagnetic Waves and Applications (JEMWA), 2010, Vol. 24, 2063-2075 (IF = 3.134)
25. M.S. Razalli, A. Ismail, M.A. Mahdi and M.N. Hamidon. Via-less" UWB Filter using patched microstrip stubs. Journal of Electromagnetic Waves and Application (JEMWA), 2009, Vol. 23, 377 – 388 (IF = 3.134)
26. A.R.H. AlHawari, A. Ismail, M.F.A. Rasid, R.S.A.R. Abdullah, B.K. Esfeh, H. Adam. Compact microstrip bandpass filter with sharp passband skirts using square spiral resonators and embedded-ronators. Journal of Electromagnetic Waves and Application (JEMWA), 2009, Vol. 23, 675-683 (IF = 3.134)
27. M.S. Razalli, A. Ismail, M.A. Mahdi and M.N. Hamidon. Novel compact "via-less" ultra-wide band filter utilizing capacitive microstrip patch. Progress in Electromagnetics Research (PIER), 2009, vol. 91, 213-227 (IF = 4.735)
28. M.S. Razalli, A. Ismail, M.A. Mahdi and M.N. Hamidon. Compact Ultra-Wide Band Microwave Filter Utilizing Quarter-Wavelength Short-Circuited Stubs With Reduced Number of Vias Microwave and Optical Technology Letters (MOTL), 2009, Vol. 51, no. 9, 2116 – 2119 (IF = 0.743)
29. H. Adam, A. Ismail, M.A. Mahdi, M.S. Razalli, A. Alhawari and B.K.Esfeh. X-Band Miniaturized Wideband Bandpass Filter Utilizing Multilayered Microstrip Hairpin resonator Progress in Electromagnetics Research (PIER), 2009, PIER 93, 177-188 (IF = 4.735)
30. H. Adam, A. Ismail, M.A. Mahdi and A. Alhawari. Compact Wideband Bandpass Filter Using Hybrid Hairpin and Half-Wave Parallel Coupled Resonator in Multilayer Microstrip Configuration for X-Band Application. Journal of Electromagnetic Waves and Application (JEMWA), 2009, Vol. 23, 1855 – 1865 (IF = 3.134)

Conference Proceedings (30 recent Conference Proceedings)

Books (If any)

Chapter in Books (If any)

1. Mohammed A. Ben-Mubarak, Borhanuddin Mohd. Ali, Nor Kamariah Noordin, Alyani Ismail and Chee Kyun Ng, (2013), Hybrid AHP and TOPSIS Methods Based Cell Selection (HATCS) Scheme for Mobile WiMAX, pp 85-101, Vol. Selected Topics in WIMAX, International Gianni Pasolini, In-Tech (978-953-51-1157-3), 2013
2. Open Educational Resources in Malaysian Higher Learning Institutions (2013), Chapter 7 (OER@UPM)
3. A. Al-Hemyari, N.K. Noordin, Chee Kyun Ng, A. Ismail, and S. Khatun, Book Chapter: Centralized Routing and Scheduling Using Multi-Channel System Single Transceiver in 802.16d, Springer Berlin Heidelberg, 2010

4. A. F. Abas, M. A. M. Azau, M. I. Saripan, W. A. W. Adnan, N. K. Noordin, A. Ismail, M. Mokhtar, K. Samsudin, S. Mashohor, M. F. A. Rasid, and R. S. A. R. Abdullah. Innovative Continuous-Grouped-Self-Learning (CGSL) System in Engineering Education, iNEER Special Volume, iNEER, 2008
5. Mohammad Khazani Abdullah, Kaharuddin Dimiyati, Hairul Azhar Abdul Rashid, Suhairi Saharudin, Syamsiah Mashohor, Alyani Ismail, Khairulmizam Samsudin, Nor Kamariah Noordin, M. Iqbal Saripan. World Engineering Congress 2007, Information and Communication Technology Conference, Federation of Engineering in Islamic countries (FEIIC), 2007

Research Grants

No	Project Title	Amount (RM)	Duration	Source of Fund
1.	Authentication of Halal Logo Through the use of Smart Holographic Seal for Halal Products Packaging	139,300	2013 –2015	ERGS - Ministry of Education Malaysia
2.	Development of Metamaterial Microwave Biosensor for DNA hybridization detection	14,000	2012 –2014	Research University Grant Scheme (RUGS)
3.	RF/Microwave Components and Devices design based on natural fiber bio-composites as bio-dielectric	265,000	2009 – 2012	Research University Grant Scheme (RUGS)
4.	Low Loss Micromachined Microwave Transmission Line and Filters for RF MEMS Application	208,996	2006-2008	Science Fund (MOSTI)
5.	Design of a Multi Standard Base Band Digital Transceiver Using Software Defined Radio (SDR)	105,998	2006-2008	Science Fund (MOSTI)
6.	Investigation of novel dual-and-triple band microwave filters for handling multiple separated frequencies in wireless backhaul network	50,000	2012 –2014	RACE - Ministry of Education Malaysia
7.	Advanced High Performance Compact Microwave Filters For Communication	218,000	2008 – 2010	Science Fund (MOSTI)
8.	Emissions From Short Range Devices to Radio communications	236,000	2009 –2010	MCMC
9.	All-optical Millimeter Wave Generation for Radio over Fiber Systems	299,700	2009 – 2011	MOHE – UPM (International fund)
10.	Forward Scattering Radar for Biodiversity Conservation Monitoring System	185, 996	2006-2008	Science Fund (MOSTI)
11.	UWB Radar for Human Internal Organ Monitoring System	80, 000	2007-2008	Fundamental Research Grant (KPT)
12.	Emerging Wireless Technologies – issues of reliable communications above 25GHz in the tropics	930, 000	2007-2008	Malaysian Communications and Multimedia Commissions (MCMC)
13.	Novel method for Fruit Quality Measurement using Microwave Sensor Technology	30, 000	2007 – 2008	Fundamental Research Grant (KPT)

Awards/Recognition (Current)

No	Title of Award	Role	Award Authority	Level	Year
1.	Excellent in Service Award (Deputy Director), Universiti Putra Malaysia	Recipient	Universiti Putra Malaysia	UPM	2016
2.	Best Final Year Project	Won (Leader)	Faculty of Engineering	UPM	2014
3.	Silver Medal, National University E-Learning Carnival 2014 for "Share, Use & Re-Use with Putra Content Repository (PutraCORE)	Won (Leader)	MOHE, MEIPTA	National	2014
4.	Silver Medal, National University E-Learning Carnival 2014 for "INTEGRATED SUPPORT SYSTEM (ISUS)"	Won (Leader)	MOHE, MEIPTA	National	2014

Professional Services/Consultation

No	Project	Role	Institution	Amount	Year	Status
1.	Exploring New Wireless Sensor Technology for Traceability and Tracking System towards achieving Total Halal Solution	Lead Consultant	Ministry of Information, Communication and Culture	RM 2.7 million	2012 – 2014	Completed
2.	Learning Plan for Radio Communication Module	Lead Consultant	Zohl Consultancy Sdn Bhd	RM 30,000	2010-2012	Completed
3.	Magnetron Controller Module	Lead Consultant	Private research	RM 10,000	2010	Completed
4.	Training – Antenna: Theory, design and Application	Lead Consultant	Zohl Consultancy Sdn Bhd	RM 1,000	2010	Completed
5.	National Project of "A Study on the readiness of Sensor Technology Application"	Consultant	Ministry of Energy, Water and Communication, Malaysia	RM 1,159,819	2007-2009	Completed

Student Supervision

SUPERVISION (UNDERGRADUATE AND POSTGRADUATE)						
BACHELOR						
No	Role	Year Complete	Name of Student	Course	Project Title/Note	Status
1.	Supervisor	2016	Sabri Azhar	BEng Computer and Communication Systems Engineering	Smart Fishing Information System	Completed

					(Collaboration with TLDM)	
2.	Supervisor	2014	Mohd Hanif Saidin	BEng Computer and Communication Systems Engineering	Automatic Location Tracking and Alert System For Fishing Boats (Collaboration with TLDM)	Completed
3.	Supervisor	2014	Khysful Azim	BEng Computer and Communication Systems Engineering	Identification of Intrusion using Wireless Sensor For Border Protection	Completed
4.	Supervisor	2013	Irfan Adzhar	BEng Computer and Communication Systems Engineering	Wireless Fencing using Wireless Underground Sensor Network (WuSN) (Best Final Year Project Award by Faculty of Engineering)	Completed
5.	Supervisor	2012	Muhammad Haikal Ismail	BEng Computer and Communication Systems Engineering	Automatic Attendance System using QR-Code (Best Final Year Project Award by IEEE Signal Processing Chapter)	Completed
6.	Supervisor	2011	Nasaruddin Hamzah	BEng Computer and Communication Systems Engineering	Flexible RFID tag for rubber tree tagging (Agriculture-based project - Industry collaboration with Senstech Sdn Bhd)	Completed
7.	Supervisor	2011	Mohd Zia-UI Haq	BEng Computer and Communication Systems Engineering	Web-based Halal Restaurant Locator	Completed
8.	Supervisor	2010	Mohd Farhan Sabain	BEng Computer and Communication Systems Engineering	A study on simple circuit for wireless power transmission as an alternative energy	Completed
9.	Supervisor	2010	Nurul Farhah bt Dulaidi	BEng Computer and Communication Systems Engineering	Dielectric permittivity measurement kit of materials using multiple resonant cavity method	Completed
10.	Supervisor	2010	Yong Shier Loon	BEng Computer and Communication Systems Engineering	Digital circumference caliper for rubber trees monitoring (Agriculture-based project)	Completed

11.	Supervisor	2009	Sazila bt Idris	BEng Computer and Communication Systems Engineering	UWB Microwave Filter design using half-wavelength open-circuited stub with bending analysis	Completed
12.	Supervisor	2009	Nik Aini Rashida Nik Man	BEng Computer and Communication Systems Engineering	Analysis of effects of bending on bandwidth enhancement for microstrip quarter wavelength short-circuited stub UWB filter	Completed
13.	Supervisor	2009	Nurulhuda Nuhd Yusoff	BEng Computer and Communication Systems Engineering	Computer-aided design kit for UltraWideband Microwave Filters utilizing stubs	Completed
14.	Supervisor	2009	Ong Koon Soo	BEng Computer and Communication Systems Engineering	Dual-band microstrip patch antenna for WiMax Application	Completed
15.	Supervisor	2008	Rifhan Abdul Talib	BEng Computer and Communication Systems Engineering	Infrared Flood Sensor with GSM	Completed
16.	Supervisor	2008	Mohammad Shahrizad bin Safuan	BEng Computer and Communication Systems Engineering	Configuration of Patch Antenna Design for GPS Application	Completed
17.	Supervisor	2008	Loo Phek Yen	BEng Computer and Communication Systems Engineering	Wearable Antenna for Broadband Application	Completed
18.	Supervisor	2008	Noor Shida Zulkefeli	BEng Computer and Communication Systems Engineering	Wireless Electronic Stethoscope	Completed
19.	Supervisor	2008	Loh Yong Chai	BEng Computer and Communication Systems Engineering	A Study on Micro-Nano Sensory Device	Completed
20.	Supervisor	2008	Ananthan a/l Gunasaharan	BEng Computer and Communication Systems Engineering	Design of RF/Microwave Filter for Wireless Communications	Completed
21.	Supervisor	2007	Lim Yun Zhi	BEng Computer and Communication Systems Engineering	RF/Microwave Filter Design for Wireless Communications	Completed
22.	Supervisor	2007	Nor Alifah Eskak	BEng Computer and Communication Systems Engineering	Design of Microstrip Patch Antenna for RF/Microwave Applications	Completed
23.	Supervisor	2007	Yap Kar Soon	BEng Computer and Communication Systems Engineering	Computer-Aided Design Kit for RF/Microwave resonators and Filters in Wireless Communications	Completed

MASTER						
No	Role	Year Enrolled	Name of Student	Course	Project Title/Note	Status
1.	Chairman	2013	Nurhidayati Mohd Sidek	MS in Halal Product Management	Authentication of Halal Product using Smart Holographic seal	On-going
2.	Chairman	2014	Sama Fouad Majeed	MS in Communication and Network Engineering	Underwater Communication for Wireless Sensor network	Graduated - 2018
3.	Chairman	2015	Bahaa Abbas Dawood	MS in Communication and Network Engineering	Wearable RFID tag as electronic textiles application	Graduated - 2018
4.	Chairman	2009	Nurul Huda Muhd Yusoff	MS in Communication and Network Engineering	UWB microwave filter utilizing LTCC fabrication technique	Graduated - 2017
5.	Chairman	2014	Noor Mohammed Noori	MS in Communication and Network Engineering	Compact RFID tag for metallic application	Graduated - 2016
6.	Chairman	2014	Fuad Naim Ahmed Erman	MS in Communication and Network Engineering	Miniaturized RFID for metallic applications	Graduated - 2017
7.	Chairman	2013	Kamelia Muhammad Chatib Quzwain	MS in Communication and Network Engineering	Miniaturized High Gain Wideband Antenna for WiMAX Co-funded by international partner: LIPI Indonesia	Graduated – 2016
8.	Chairman	2014	Karrar Naji Salman Al Khanjar	MS in Communication and Network Engineering	High gain RFID antenna	Graduated – 2016
9.	Chairman	2014	Safa Nassr Nafea	MS in Communication and Network Engineering	High Gain And Bandwidth Multilayer Antenna For Point-To-Point Wireless Applications Over Ism Band (5.725-5.875) Ghz	Graduated – 2016
10.	Chairman	2007	Babak Kazemi Esfeh	MS in Electronics Engineering	Compact Bandpass filters using dual-mode microstrip closed-loop ring resonators for wireless communication systems	Graduated - 2009
11.	Chairman	2007	Helmi Adam	MS in Communication and Network Engineering	Miniaturization of microstrip bandpass filters using multilayer	Graduated - 2009

					configuration for wideband application	
12.	Chairman	2007	Adam Reda Hassan Al-Hawari	MS in Communication and Network Engineering	Multilayer wideband bandpass filter	Graduated - 2009
13.	Chairman	2008	Wessam Zayd Al-Shareef	MS in Communication and Network Engineering	Small UWB antenna design for wireless communication	Graduated - 2010
14.	Chairman	2008	Suci Rahmatia Muslim	MS in Communication and Network Engineering	Directional UWB antenna for medical applications	Graduated - 2011
15.	Chairman	2008	Aws Ali Shakir	MS in Communication and Network Engineering	MIMO Communication	Graduated - 2012
16.	Chairman	2008	Melad Ali	MS in Communication and Network Engineering	Wireless Communication Systems	Graduated -2013
17.	Chairman	2009	Noraini Ahmad Zawawi	MS in Communication and Network Engineering	RF/Microwave Components and Devices design based on natural fiber bio-composites as bio-dielectric Agriculture-based project	Graduated - 2013
18.	Chairman	2011	Nor Hidayah Daud	MS in Communication and Network Engineering	RFID Dielectric antenna tag design	Graduated - 2015
19.	Chairman	2011	Abolfazl Azari	MS in Communication and Network Engineering	Fractal antenna design	Graduated - 2015
20.	Member	2015	Sim Guan Ling	MS in Communication and Network Engineering	Microwave properties of graphene	On-going
21.	Member	2011	Ali Mohd Ali Al-Saegh	MS in Communication and Network Engineering	Satellite-based communication	Graduated - 2012
22.	Member	2010	Mohd Nazren bin Radzuan	MS in Bioprocess Engineering	Microwave properties of Kenaf composites	Graduated - 2013
23.	Member	2005	Yoharaaj a/l Doraisingam	MS in Communication and Network Engineering	Dual-Patch Microstrip antenna with air gap for WLAN applications	Graduated - 2007
24.	Member	2006	Nidhal Odeh	MS in Communication and Network Engineering	Performance evaluation of combined code-space division multiple access	Graduated - 2008

					with enhanced parallel interference cancellation	
25.	Member	2007	Abbas Mohamed Ali Al-Ghaili	MS in Communication and Network Engineering	A fast vertical edge detection algorithm for car license plate detection	Graduated – 2009
26.	Member	2007	Ahmed Mohd Salih Bakhreiba	MS in Communication and Network Engineering	Software Defined Radio-Based modulation and demodulation scheme	Graduated – 2009
27.	Member	2007	Ali Zuhair Abdulameer Al-Humairi	MS in Communication and Network Engineering	Improvement of centralized routing and scheduling using cross-layer design and multi-slot assignment in Wi-Max mesh network	Graduated – 2009
28.	Member	2008	Saba Adabi	MS in Communication and Network Engineering	Breast Cancer Detection using Forward Scattering Radar	Graduated – 2010
29.	Member	2008	Ala'a Alhawamda	MS in Communication and Network Engineering	UWB antenna design for breast cancer detection	Graduated
30.	Member	2008	Aris Munawar	MS in Communication and Network Engineering	Radar-based signal processing	Graduated – 2011
31.	Member	2008	Octarina Nur Samijayani	MS in Communication and Network Engineering	Radar-based cancer detection	Graduated – 2011
32.	Member	2007	Farah Hanim Seman	MS in Communication and Network Engineering	Experimental set-up of breast phantom for cancer detection system	Graduated
33.	Member	2008	Nurul Izzah Mohd Yusoff	MS in Communication and Network Engineering	Specific Absorption Rate (SAR) for breast cancer detection	Graduated – 2011
34.	Member	2008	Khairi Budayawan	MS in Electronic Engineering	Microwave Radar Sensor	Graduated – 2013

PHD

No	Role	Year Enrolled	Name of Student	Course	Project Title	Status
1.	Chairman	2007	Mohd Shahrazel Razalli	PhD in Communication and Network Engineering	Design and Development of a compact and vialess microstrip ultra-wideband bandpass filter	Graduated – 2010
2.	Chairman	2010	Ali Sadeq Abdul Hadi Jalal	PhD in Communication and Network Engineering	New materials for RFID tag	Graduated – 2012

3.	Chairman	2010	Adam Reda Hassan Al-Hawari	PhD in Communication and Network Engineering	Metamaterial antenna	Graduated – 2012
4.	Chairman	2010	Ahmad Mohammadi	PhD in Communication and Network Engineering	Nano-particles inclusion in sensor development	Graduated – 2013
5.	Chairman	2007	Ali Kamil Marzook	PhD in Communication and Network Engineering	UWB Signal Processing	Graduated – 2013
6.	Chairman	2012	Nadeem Naeem	PhD in Electronic Engineering	Terahertz Metamaterial Sensor for Bio-Sensing	Graduated - 2016
7.	Chairman	2013	Omar Jabbar Ibrahim	PhD in Communication and Network Engineering	Chipless RFID tag	Graduated - 2017
8.	Chairman	2011	Izyani Md Rusni	PhD in Communication and Network Engineering	Non-destructive microwave probe for bio-sensors	Graduated - 2017
9.	Chairman	2012	Azlindawati Ramli	PhD in Communication and Network Engineering	Microwave Multi-layer Filtenna	On-going
10.	Chairman	2012	Elfarizanis binti Baharudin	PhD in Communication and Network Engineering	RF and Microwave absorber using bio-composite	On-going
11.	Chairman	2015	Eliyana binti Ruslan	PhD in Communication and Network Engineering	Wireless power for wireless sensor network application	On-going
12.	Chairman	2017	Noor Mohammed Noori	PhD in Communication and Network Engineering	5G antenna	On-going
13.	Chairman	2017	Saidatul Izyanie binti Kamarudin	PhD in Communication and Network Engineering	Energy Harvesting	On-going
14.	Member	2012	Baktiar bin Musa Mohd	PhD in Photonics	Radio over fibre	Graduated - 2017
15.	Member	2012	Amiruddin bin Abd Rahman	PhD in Microwave Physics	Indoor Wi-fi	Graduated - 2016
16.	Member	2013	Anwer Sabah Mekki	PhD in Communication and Network Engineering	Non-destructive sensor for embedded beam in construction	Graduated - 2016
17.	Member	2011	Zainab Yunusa	PhD in Electronics Engineering	Wireless SAW Acoustic Wave sensor	Graduated - 2015
18.	Member	2011	Asem A. M. Salah	PhD in Communication and Network Engineering	Forward scattering radar	Graduated - 2015

19.	Member	2012	Ali Mohd Ali Al- Saegh	PhD in Communication and Network Engineering	Satellite-based communication	Graduated – 2015
20.	Member	2010	Noran Azizan bin Cholan	PhD in Photonics	Radio over fibre	Graduated – 2015
21.	Member	2008	Mohammed Awadh Ahmed Ben Mubarak	PhD in Communication and Network Engineering		Graduated – 2013
22.	Member	2009	Ahmed Mohammed Shamsan Saleh	PhD in Communication and Network Engineering		Graduated – 2013
23.	Member	2013	Nur Azlinda Kasma Azizan bt Kamal Abdul Nasir	Phd in Educational Technology	Influence Of Infrastructure And Info Structure, Curriculum, Pedagogy, And Content Towards Enhancement In Teaching And Learning In Massive Open Online Courses (MOOCs)	On-going
24.	Member	2013	Mohammed Kadhim Khudhaier	PhD in Communication and Network Engineering	Filtenna for WiMax	On-going
25.	Member	2014	Intan Helina binti Hasan	PhD in Material Science	New material for wireless communication antennas	On-going
26.	Member	2011	Mojtaba Ahadi	PhD in Communication and Network Engineering	UWB breast cancer detection	On-going
27.	Member	2010	Mojtaba Mohammad Poor	PhD in Communication and Network Engineering	Signal processing in radar communications	Graduated - 2011
28.	Member	2008	M Shafiquil Islam	PhD in Photonics	Brillouin pump in fibre optics	Graduated - 2011
29.	Member	2008	Mohd Javadian Sarraf	PhD in Electronics Engineering	High temperature SAW sensor	Graduated - 2012
30.	Member	2008	Shee Yu Gang	PhD in Photonics	Radio-over-fiber communications	Graduated - 2011
31.	Member	2005	Maniruzzam an Md Abdul Aziz	PhD in Civil Engineering	Rheological propeties of asphalt using microwave method	Graduated - 2011

32.	Member	2008	Bashar Jabbar Hamza	PhD in Communication and Network Engineering	WiMax transmission	Graduated - 2011
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