



CURRICULUM VITEA



Name : Nurazean Maarop, PhD
Nationality : Malaysian
Corresponding Address : Razak Faculty of Technology and Informatics
 Universiti Teknologi Malaysia,
 Jalan Sultan Yahya Petra, 54100 Kuala Lumpur, Malaysia
 Tel (O): 03-22031341 , Fax: 03-21805370
 H/P: 016-9853093
 E-mail: (1) nurazeanmaarop@gmail.com , (2) nurazean.kl@utm.my
 Website: <https://people.utm.my/nurazean/>

ACADEMIC QUALIFICATION

2013 : PhD (Information Systems)
 University of Wollongong, New South Wales, Australia
 2001 : Master of Computer Science
 Universiti Teknologi Malaysia
 1998 : Bachelor of Computer Science (Hons)
 Universiti Teknologi Malaysia

AWARDS AND HONORS RECEIVED

Dec 2019	:	Best Paper Award , Sixth International Conference on Research and Innovation in Information Systems (ICRIIS), Doubletree Hilton Hotel, Johor Bahru, Malaysia
July 2019	:	Author Award (Indexed Journal Category) for Year 2018, In Citra Karisma, Universiti Teknologi Malaysia

April 2018	:	Bronze Medal for the invention of “A Mobile Augmented Reality Application Model to Aid Al-Quran Memorization for Hearing Impaired Students” in 7 th Apprentice Innovation & Research Exhibition (AIRex 2018)
July 2017	:	Best Paper Award , Fifth International Conference on Research and Innovation in Information Systems (ICRIIS), Adya Hotel, Langkawi, Malaysia.
May 2016	:	Excellent Service Award , Universiti Teknologi Malaysia
May 2016	:	Best Academic Poster Award (AUD 250) , Postgraduate Annual Research Seminar 2009, Faculty of Informatics, University of Wollongong, Australia
August 2009	:	Bursary Award (USD 1000) , Sixth Conference of Asia-Pacific Medical Informatics Association (APAMI), Hiroshima, Japan
2015,2016, 2017,2018	:	Award of Excellence , Active Blended Learning Course, Universiti Teknologi Malaysia

PROFESSIONAL EXPERIENCE

1st Dec 2000 – 30th April 2002 : Executive Technical Operation, Head of Unit, Technology Operation (TTM), Multimedia Division, Celcom (M) Bhd.

TEACHING EXPERIENCE

Postgraduate courses in UTM: 2012 - Present

- Research Methodology (UANP 0013)
- Information Engineering (MANA 1513 / MANQ 1023)
- Enterprise Architecture (MANQ 1053)
- Enterprise Risk Assessment (MANA 2733)
- Business Intelligence (MANB 1143)

Undergraduate courses in UTM: 2003 - 2008

- Database
- Management Information Systems
- C Programming
- Programming in Operation Research
- Programming Methodology
- C++ Programming

ADMINISTRATIVE EXPERIENCE

FACULTY LEVEL

- **Task Force Member** and Alumni Committee for Razak Faculty of Technology and Informatics, Universiti Teknologi Malaysia, Kuala Lumpur, 2018-2020
- **Internal Auditor**, Razak Faculty of Technology and Informatics, Universiti Teknologi Malaysia, Kuala Lumpur, 2018-2019
- **Head of Research Group : Operation Business Intelligence**, Universiti Teknologi Malaysia, Kuala Lumpur, April 2017 – Oct 2017
- **Program Coordinator for MSc Informatics**, Advanced Informatics School Universiti Teknologi Malaysia, Kuala Lumpur, 2013 - 2017
- **JKA Member**, Advanced Informatics School Universiti Teknologi Malaysia, Kuala Lumpur, 2013 – 2017
- **JKPI Member**, Advanced Informatics School Universiti Teknologi Malaysia, Kuala Lumpur, April 2017 – Oct 2017
- **Head of Task Force for MSc Informatics for Full Accreditation Audit Preparation**, Advanced Informatics School, Universiti Teknologi Malaysia, Kuala Lumpur, 2016
- **Head of Task Force for MSc Informatics COPPA Preparation**, Advanced Informatics School, Universiti Teknologi Malaysia, Kuala Lumpur, 2016
- **Head of Task Force** for SEM – PLS Workshop, Advanced Informatics School, Universiti Teknologi Malaysia, Kuala Lumpur, 2017
- **Course Facilitator** for SEM – PLS Workshop, Advanced Informatics School, Universiti Teknologi Malaysia, Kuala Lumpur, 2017
- **Task Force for MSc Informatics SAR Preparation**, Advanced Informatics School, Universiti Teknologi Malaysia, Kuala Lumpur, 2017
- **Task Force Member & Facilitator**, PACIS 2017 Publication Workshop, 2017
- **Task Force Member & Facilitator**, OBE Training for Staff, Advanced Informatics School Universiti Teknologi Malaysia, Kuala Lumpur, 2016
- **Task Force Member & Facilitator**, E-Learning Training for Staff, Advanced Informatics School Universiti Teknologi Malaysia, Kuala Lumpur, 2016
- **Academic Advisor**, MSc Informatics & MSc Assurance Students, Advanced Informatics School Universiti Teknologi Malaysia, Kuala Lumpur, 2013 – Present
- **Chairperson and Committee Member for Postgraduate Informatics Research Seminar (PARIS)**, Advanced Informatics School, Universiti Teknologi Malaysia, Kuala Lumpur, 2012 – Present

UNIVERSITY LEVEL

- **Internal Auditor**, Compliance Audit for SPACE (Computer Science) Program, Universiti Teknologi Malaysia, Kuala Lumpur, 2017

- **Assistant Chairperson for VIVA Sessions**, Universiti Teknologi Malaysia, Kuala Lumpur , 2014-Present
- **Paper Work Developer for MSc Informatics Program**, Universiti Teknologi Malaysia, 2013

NATIONAL AND INTERNATIONAL LEVEL

- **Track Chair (Health IT and Wellness)**, Sixth International Conference on Research and Innovation in Information Systems (ICRIIS'19), Johor Bahru, Malaysia, 2019
- **Chairperson**, Fifth International Conference on Research and Innovation in Information Systems (ICRIIS'17), Langkawi, Kedah, Malaysia, 2017
- **Chairperson**, International Conference on ICT for Transformation 2016 (IC-ICT4T) Kota Kinabalu, Sabah, 2016
- **Chairperson**, XIII International Conference on Information Systems Engineering and Management, Singapore, 2015

PROFESSIONAL MEMBERSHIP AND RECOGNITION

- Association for Information Systems (AIS)
- Malaysia Association for Information Systems (My-AIS)
- SPSS Users 'Association of Kuala Lumpur and Selangor (SUG)
- International Association of Software Architects (IASA)

RESEARCH AND CONSULTATION GRANT

RESEARCH GRANT UNIVERSITY (RUG) AWARDED BY UNIVERSITI TEKNOLOGI MALAYSIA

2020 – 2022 : 03657 – Social Media Community Model Towards Flood Disaster Preparedness in the case of Klang Valley (Project Leader) **Budget Approved RM56,000**

2020 – 2020 : 4J453 – e-community Social Support Framework on Public Reaction towards COVID-19 (Member) **Budget Approved RM30,000**

2018 – 2021 : 05G31 - UTM-TDR 2.3 (T2): Curriculum Delivery for Entrepreneurship Education, UTM Transdisciplinary Research Grant (Member) **Budget Approved RM40, 000**

2018 – 2021 : 06G28 - UTM-TDR 8.2(T1): Framework for Strengthening Big Data Disaster Risk Reduction, UTM Transdisciplinary Research Grant (Member) **Budget Approved RM65, 000**

2017 - 2019 : 17H73 - Determining the Usability Metrics of Digital Government Among Citizens of Malaysia, Research University Grant (RUG) – Tier 1, Universiti Teknologi Malaysia, (Project Leader) **Budget Approved RM30,000**

2017 – 2019 : 03K13 - Development of an Adaptive System for Visualizing Network Data, Potential Academic Staff (Member) **Budget Approved RM20, 000**

2017 – 2019 : 02K99 - Cconvergence Visualization Tools For Higher Order Thinking Skillsin Kurikulum Standard Sekolah Rendah Level 1 For B40 Malaysia, Potential Academic Staff (Member) **Budget Approved RM20, 000**

2014 – 2015 : 01K11 - Feasibility Study of E-Assessment Acceptance from Lecturers' Perspective, Potential Academic Staff (Project Leader) **Budget Approved RM20, 000**

2016 – 2018 : 15H58 - Research Management Information System Usability Model for Research Institute, Research University Grant (RUG) – Tier 1, Universiti Teknologi Malaysia, (Project Leader) **Budget Approved RM30,000**

- 2015 – 2016 : 11J40 - A Self-Implementation Model of Information Security Management System: A Case of Malaysian, Research University Grant (RUG) – Tier 2, Universiti Teknologi Malaysia, (Project Leader) **Budget Approved RM 20,000**
- 2017 - 2019 : 17H87 - Risk Assessment Frameworks of Handling and Storage of Cargo at Malaysia Ports, Research University Grant (RUG) – Tier 1, Universiti Teknologi Malaysia, (Member) **Budget Approved RM40,000**
- 2018 - 2019 : 14J99 - Formulation of Internet of Things (IOT) Monitoring Sensor Framework for Pandemic Prediction and Control, Research University Grant (RUG) – Tier 2, Universiti Teknologi Malaysia, (Member) **Budget Approved RM20,000**
- 2018 - 2020 : 19H15 - Low Cycle Fatigue Life Evaluation of Thin Walled Bend Pipe Under Seismic Load Condition, Research University Grant (RUG) – Tier 1, Universiti Teknologi Malaysia, (Member) **Budget Approved RM50,000**
- 2017 - 2018 : 14J38 - Classification of Pure and Adulterated Honey Using Spectroscopic and Chemometrics Method, Research University Grant (RUG) – Tier 2, Universiti Teknologi Malaysia, (Member) **Budget Approved RM20,000**
- 2016 – 2017 : 12J97 – Three Dimensional Virtual Environment for Oral Communication Skills, Research University Grant (RUG) – Tier 2, Universiti Teknologi Malaysia, (Member) **Budget Approved RM10,000**
- 2016 – 2018 : 15H48 - Augmented Reality to Enhance Reading Material in Library, Research University Grant (RUG) – Tier 1, Universiti Teknologi Malaysia, (Member) **Budget Approved RM40,000**
- 2016 – 2018 : 15H95 - Mobile Application Dictionary For Deaf Students, Research University Grant (RUG) – Tier 1, Universiti Teknologi Malaysia, (Member) **Budget Approved RM40,000**
- 2016 – 2018 : 14H18 - Information Security Risk Assessment Framework for Cloud Computing Environment Using Survival Analysis Method, Research University Grant (RUG) – Tier 1, Universiti Teknologi Malaysia, (Member) **Budget Approved RM50,000**
- 2016 – 2018 : 15H36 - Closure Effect of Welding Residual Stress in Penetration Nozzles of Pressure Vessel, Research University Grant (RUG) – Tier 1, Universiti Teknologi Malaysia, (Member) **Budget Approved RM40,000**
- 2016 – 2018 : 15H56 - Maturity Model for It Outsourcing of Malaysian Government Shared Services, Research University Grant (RUG) – Tier 1, Universiti Teknologi Malaysia, (Member) **Budget Approved RM30,000**
- 2016 – 2018 : 14H08 - Designing Big Data Integration Architecture for Online Space Weather Data Analytic, Research University Grant (RUG) – Tier 1, Universiti Teknologi Malaysia, (Member) **Budget Approved RM50,000**
- 2015 – 2016 : 11J48 - Contention Resolution Using Control Packet Buffering In Optical Burst Switching Networks, Research University Grant (RUG) – Tier 2, Universiti Teknologi Malaysia, (Member) **Budget Approved RM20,000**
- 2015 – 2016 : 11H23 - Development of Integrated Assessment Model for Enterprise Architecture and Big Data Implementation, Research University Grant (RUG) – Tier 1, Universiti Teknologi Malaysia, (Member) **Budget Approved RM41,632**
- 2015 – 2016 : 11J30 - Perceived Risks and Benefits of Social Media Usage in Malaysia Public Sector, Research University Grant (RUG) – Tier 2, Universiti Teknologi Malaysia, (Member) **Budget Approved RM20,000**

2016 – 2018 : 02K58 - Comparing Binary Classification Model Using Different Methods of Data Splitting of Factor XA Inhibitors, Potential Academic Staff (Member) **Budget Approved RM20, 000**

2015 – 2017 : 4J147 - Reka bentuk Aplikasi Mobil (mobile apps) untuk Pembelajaran Kendiri Kursus Metodologi Penyelidikan, UTM R&D Fund (Member) **Budget Approved RM20, 000**

2015 – 2016 : 01K57 - Penerimaan Pelajar Terhadap Aplikasi Realiti Campuran Dalam Pendidikan, Potential Academic Staff (Member) **Budget Approved RM20, 000**

2015 – 2016 : 01K92 - Reka bentuk antara muka aplikasi mobil untuk pembelajaran bahasa isyarat bagi pelajar bermasalah pendengaran, Potential Academic Staff (Member) **Budget Approved RM20, 000**

FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS FUND)

2019 – 2020 : 5F072 - Metamodel for Enterprise Architecture (EA) Data Management in Supporting EA Implementation in Malaysian Public Sector (MPS), Fundamental Research Grant Scheme (FRGS), Universiti Teknologi Malaysia, (Member) **Budget Approved RM98,600**

2019 – 2021 : 5F016 - Criminal Network Search Model Using Social Network Analytics For The Internet Of Things (IOT) Crime Investigation, Fundamental Research Grant Scheme (FRGS), Universiti Teknologi Malaysia, (Member) **Budget Approved RM55,800**

2016 – 2018 : 4F852 - Fatigue Effects Of Impact Loaded Pipes With Flowing Liquid And Gas, Fundamental Research Grant Scheme (FRGS), Universiti Teknologi Malaysia, (Member) **Budget Approved RM70,000**

CASE WRITING GRANT SCHEME AWARDED BY MINISTRY OF HIGHER EDUCATION (CWGS)

2016 – 2017 : 4L407 - Database Alteration Or Server Error: Helpdesk Challenge And Troubleshooting, Case Writing Grant Scheme (CWGS), Universiti Teknologi Malaysia, (Project Leader) **Budget Approved RM10, 000**

CONTRACT RESEARCH PROJECT (CONSULTATION) / BE

2018 – 2019 : 4C192 - The Elementary Development of the Personalized Application for Quran Tadabur Note Keeping, Contract Research (Project Leader) **Budget Approved RM10, 000**

2014 – 2015 : 4Y055 - Penilaian Menyeluruh Penerimaan Pengguna Dan Kepenggunaan Laman Web E-Fatwa Jakim, UNI-Techologies Sdn Bhd (UTSB) (Member) **Budget Approved RM39, 484**

2015 – 2016 : 4Y025 - Cryptography Technology For National Defense Industry, UNI-Techologies Sdn Bhd (UTSB) (Member) **Budget Approved 20,000**

CCIN RESEARCH PROJECT / BE

2016 – 2017 : 4Y086 - Mudah Membaca Bagi Kanak-Kanak Disleksia Dengan Menggunakan Buku E Dan Kod QR, Centre for Community and Industry Network (CCIN), (Member) **Budget Approved RM30, 000**

2016 – 2017 : 4Y047 - Aplikasi Membaca Mudah Alih Untuk Kanak-Kanak Sindrom Down, Centre for Community and Industry Network (CCIN) (Member) **Budget Approved RM35, 000**

THESIS

- Nurazean Maarop, Understanding the Acceptance of Teleconsultation Technology in Malaysian Government Hospital, Ph.D. Thesis, University of Wollongong, Australia (2013).
- Nurazean Maarop, Contract Management System for Construction Industry in Malaysia, Master Thesis, Universiti Teknologi Malaysia (2001).
- Nurazean Maarop, Inventory Management System for Universiti Teknologi Malaysia Health Centre, Bachelor Degree Project, Universiti Teknologi Malaysia (1998).

REFEREED JOURNAL ARTICLES (INDEXED BY SCOPUS)

1. Naswir, RY., **Maarop**, N., Hasan, M., Daud, S., Samy, GN, and Magalingam, P., (2019), "Towards a Conceptual Model to Evaluate usability of Digital Government Services in Malaysia" International Journal of Advanced Computer Science and Applications(IJACSA), 10(4).
2. Hussein, S., S., Mahrin, M., N., **Maarop**, N., and Abu Bakar, NA, (2019), "Content Validation of an Enterprise Architecture (EA) Readiness Assessment Instrument", Journal of Physics: Conference Series, Volume 1196, conference 1.
3. Hassan., N., H., **Maarop**, N., Ganthan, NS., Yusoff, R.C.,(2018). 'The Role Of Employee In Information Security Risk Management', International Journal Of Engineering And Technology, 4.31(7), pp. 145-150
4. Sohrab, K., **Maarop**, N., Ab Rahim., NZ., (2018). 'A Model On Multiple Perspectives Of Citizens Trust In Using Social Media For E-Government Services', International Journal Of Engineering And Technology, 4.31(7), pp. 95-100
5. **Maarop**, N., Ganthan, NS., Mohammad, R., Azmi, N., H., F., Hassan, N., H., Hasan, M., Ghaffar, N., A., (2018), 'Measurement Tool For Assessing Research Information Management System Success', Journal Of Telecommunication, Electronic And Computer Engineering (JTEC), Vol 10, pp. 53-57
6. Ganthan, NS., **Maarop**, N., Abdullah, M., S., Jeremiah, P., Perumal, S., Albakri, S., H., Shanmugam, B., (2018), 'Digital Forensic Investigation Challenges Based On Cloud Computing Characteristics', International Journal Of Engineering And Technology(UAE), Vol 7, pp. 7-11
7. Magalingam, P., **Maarop**, N., Ganthan, NS., Sakib, A., Safie, W., N., H., W., Rijal, M., K., Fang, L., Y., Yasin, M., (2018), 'Exploratory Experiment On Co-Authorship Network Using Social Network Analysis Metrics And Measures', International Journal Of Engineering And Technology(UAE), Vol 7, pp. 782-790
8. Rahim., NZ., **Maarop**, N., Sohrab, K., (2018), 'Towards The Development Of A Citizens Trust Model In Using Social Media For E-Government Services: The Context Of Pakistan', Advances In Intelligent Systems And Computing, Vol 843, pp. 1002-1012
9. Ganthan, NS., **Maarop**, N., Magalingam, P., Hooi Ten, D., W., Hassan, N., H., Rahim, F., A., Perumal, S., Albakri, S., H., (2018), 'Proposed Proactive Digital Forensic Approach For Cloud Computing Environment', International Journal Of Engineering And Technology(UAE), Vol 7, pp. 12-15
10. Mohammad, R., **Maarop**, N., Othman, N., Amrin, A., Aziz, S., A., Amin, Z., (2018), 'Recent Review On Standards Related To Risk Assessment For Confined Spaces', International Journal Of Mechanical Engineering And Technology (IJMET), Vol 9, pp. 950-959
11. Mohammad, R., **Maarop**, N., Othman, N., Amrin, A., Aziz, S., A., Amin, Z., (2018), 'Recent Review On Legislations Related To Risk Assessment For Confined Space', International Journal Of Mechanical Engineering And Technology (IJMET), Vol 9, pp. 934-949

12. **Maarop, N.**, Zainuddin, N.,M.,M., Mohammad, R., Shariff, S.A., Saludin, F.,A., (2018). 'A Conceptual Model On Websites Design Features For Self-Management Of Chronic-Diseases Patients', *International Journal Of Engineering & Technology (IJET)*, 4.36(7), pp. 479-483
13. Yusoff ,R., C., M., **Maarop, N.**, Zainuddin, N.,M.,M., Shariff, S.A., Hassan,N.,H., Ibrahim, R., Sjarif, N., N., A., Osman, A., (2018). 'A Systematic Literature Review Of Augmented Reality Applications In Libraries', *Advances In Intelligent Systems And Computing*, Vol 843, pp. 1037-1046
14. **Maarop, N.**, Ganthan, NS., Magalingam, P., (2017). "Exploring Usability Key Issues Regarding Research Management Information System: A Case Study in Research Institute", *Advanced Science Letters*, 23(11). (Scopus)
15. Wong, D., H., Chong, T., Yusoff, R., C., M., Samy, G., N., **Maarop, N.**, Ibrahim, R., Yaacob, S., (2017), "Design and Development of Self-Paced Interactive Multimedia Photography Courseware for University Students", *ICIC Express Letters, Part B: Applications*, Vol 8, No. 11, pp 1521-1528.
16. Magalingam, P. , Ganthan, NS., **Maarop, N.**, Idris, N.,B., Shanmugam, B., Rajoo, S. (2017)."A Comparative Study of Text Classifier for Mobile Crowdsensing Applications", *Advanced Science Letters*, 23(11). (Scopus)
17. Magalingam, P. , Ganthan, NS., **Maarop, N.**, Idris, N.,B., Shanmugam, B. (2017)."A Proposed False Report Identification Algorithm for a Mobile Application in the IoT Environment", *Advanced Science Letters*, 23(11). (Scopus)
18. Mat-Akhir, H., **Maarop, N.**, Ganthan, NS., Magalingam, P, Hasssan, H., Mohammad., R., (2017). "A Proposed Conceptual Success Model for BYOD Implementation in Malaysian Government Agency", *Advanced Science Letters*, 23(11). (Scopus)
19. Ganthan, NS., **Maarop, N.**, Magalingam, P., Shanmugam, B. (2017), "Information Security Risk Assessment Framework for Cloud Computing Environment Using Medical Design and Research", *Advanced Science Letters*, 23(11). (Scopus)
20. **Maarop, N.**, Thamadharan, K., Ganthan, NS., Megat-Mohd-Zainuddin, N., Azmi, A., Yusop, MO, Azizan, A., (2016), "Information Security Management System Implementation Success Factors: A Review", *Advanced Science Letters*, 22(10), 3023-3026. (Scopus)
21. Al-Tarhi, M., **Maarop, N.**, , (2016), "A Review of Factors Influencing Customer Participation of Social Creation Service", *Advanced Science Letters*, 22(10), 3027-2031. (Scopus)
22. Al-Tarhi, M., **Maarop, N.**, Ibrahim, R., Hasan, M., (2016), "Towards a Model for Studying Social Media Adoption for Co-Creation Services Domain", *Indian Journal of Science & Technology*, 9(34). (Scopus)
23. Ganthan, NS., **Maarop, N.**, Magalingam, P., (2016), "Proposed Computer Forensic Approach for Cloud Computing Environment", *Advanced Science Letters*, 22(10), 3137-3141. (Scopus)
24. Sam, S.M., Daud, S.M., Kamardin, K., **Maarop, N.**, (2016), "Study of QoS Performance in optical Burst Switched Networks (OBS), *Indian Journal of Science and Technology*, Vol 9, No 48.
25. Al-Tarhi, M., **Maarop, N.**, Ibrahim, R. (2015), "Towards a model for studying social media adoption for the co-creation services domain", *ARNP Journal of Engineering and Applied Sciences*, Vol 10 No. 23. (Scopus)
26. Thamadharan, K., **Maarop, N.** , (2015), "Regression Analysis on E-assessment Acceptance", *ARNP Journal of Engineering and Applied Sciences*, Vol 10 No. 23, pp 17705-17712 (Scopus)

27. Rasimah, C.M.Y., **Nurazean, M.**, Salwani, M.D., Norziha, M.Z., Roslina, I. , (2015), "Regression Analysis on E-assessment Acceptance", *ARPN Journal of Engineering and Applied Sciences*, Vol 10 No. 23, pp 18239-18246 (Scopus)
28. Yunus, M., M., Zainuddin, N.,M.,M., Maarop, N., Ibrahim, R., Yusoff, R., C., M., Samy, G., N., Wan Hassan, W., A., (2015), "The heuristic evaluation on the Internet safety guideline for primary school students", *ARPN Journal of Engineering and Applied Sciences*, Vol 10 No. 23, pp 18186-18192 (Scopus)
29. Thamadharan, K., **Maarop, N.** , Ganthan, NS. (2015). ""Exploring the Relationships of Human Behavioural and Perceived Security Aspects Towards E-Assessment Acceptance", *Advanced Science Letters*, 21(10), 3425-3428. (Scopus)
30. Rosli, N., **Maarop, N.** , Ganthan, NS. (2015). Teachers Acceptance of FROG VLE (ELearning): A Case Study of Vacational College", *Advanced Science Letters*,21(10), 3372-3376. (Scopus)
31. Nagalingam, V., Ganthan, NS, Ahmad, R., **Maarop, N.**, Ibrahim, R. (2015). "The Proposed Key Infrastructure Authentication Framework (PKIAF) for Malaysian Government Agencies" , *Advanced Science Letter*, 21(10), 3161-3164. (Scopus)
32. Nagalingam, V., Ganthan, NS, Ahmad, R., **Maarop, N.**, Ibrahim, R. (2015). "Identifying the Level of User Awareness and Factors on Phishing Attempt among Students", *Advanced Science Letter*, 21(10), 3243-3247. (Scopus)
33. Imtiaz, A., **Maarop, N.** (2014)."A Review of Technology Acceptance Studies in The Field of Education", *Jurnal Teknologi (Science & Engineering)*, 69(2). (Scopus)
34. Yusoff, R.C., Ibrahim, R., **Maarop, N.** (2014). "Trust in Virtual Team Software Development", *Advanced Science Letter*, Vol 4, No. 20. (Scopus)

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1. Khan,S., Rahim N., Maarop N. (2019) A Review on Antecedents of Citizen's Trust in Government Social Media Services, *3C Tecnología. Special Issue - January 2019*, 28-2.
2. Ibrahim, R., **Maarop, N.**, Yusoff ,R., C., M., Hooi Ten, D., W., Ya'acob, S., Rahim., NZ., (2018). " Student's Opinions On The Online Educational Games For Learning Programming Introductory", *International Journal Of Advanced Computer Science And Applications (IJACSA)*, Vol 9, pp. 332-340.
3. Hassan,N.,H., **Maarop, N.**, Ganthan, NS., Salleh, N., A., (2018). " Proposed Conceptual IOT-Based Patient Monitoring Sensor For Predicting And Controlling Dengue", *International Journal Of Grid And Distributed Computing*, Vol 11, pp. 127-134
4. Parzadeh, N., **Maarop, N.**, Ali,R., Zainuddin, N.M., M., Ahmad, A., (2018). " The Effect Of An Online Tutorial On Students Information Evaluation Skills", *Herald National Academy Of Managerial Staff Of Culture And Arts*, pp. 480 - 485
5. Yahya, Y., Maarop, N., Rahim., NZ., Ibrahim, R., Md Sarkan, H., Chuprat, S., (2018). " Social Networking Sites Habits And Addiction Among Adolescents In Klang Valley", *International Journal Of Advanced Computer Science And Applications*, Vol 9, pp. 571 - 578
6. Daud, M., S., Maarop, N., Salleh, N., A., Sjarif, N., N., A., Abas, H., Maetouq,A., A., O., (2018). "Comparison of Hash Function Algorithms Against Attacks: A Review", *International Journal Of Advanced Computer Science And Applications (IJACSA)*, Vol 9, pp. 98 - 103.

7. Azmi, N., H., F., Maarop, N., Zainuddin, N.M., M., Ya'acob, S., Ali, R., Abdul Hana, F., N., (2018). "Towards Developing Security Requirements Modeling For Outsourcing Software Projects", *Advanced Science Letter*, Vol 24, pp. 7240 - 7244.
8. Hasan, M., **Maarop, N.**, Naswir, R., Y., Samy, G., N., Magalingam, P., Yaacob, S., Daud, M., S.,(2018). "A Proposed Conceptual Success Model of Citizen-Centric Digital Government In Malaysia", *Journal of Fundamental Applied Science*, Vol. 10 No., 2S,pp. 35-46
9. Al-Talhi, M., **Maarop, N.**, (2018). "Understanding Social Media Usage By Females In Saudi Arabia: A Descriptive Finding", *Journal of Fundamental Applied Science*, Vol. 10 No., 2S, pp. 151-161.
10. Al-Amri, R., **Maarop, N.**, Jamaludin, R., Samy, G., N., Magalingam, P., Hasan, N., Daud, M., S., Hooi Ten, D., W., Al-Amri, R., (2018), "Correlation Analysis Between Factors Influencing The Usage Intention Of Nfc Mobile Wallet Payment", *Journal of Fundamental Applied Science*, Vol. 10 No., 2S,pp. 215-228
11. Zainuddin, N., M., M., Ali, R., **Maarop, N.**, Ali, Yusoff, C., M., Ahmad, H., Wan Hassan, W., A., (2018), "Augmented Reality To Memorize Al Quran For Hearing Impaired Students: A Preliminary Analysis" , *Journal of Fundamental Applied Science*, Vol. 10 No., 2S,pp. 91-102.
12. Ahmad, F., Ali, R., Haini, S.,I., **Maarop, N.** (2017), "Maturity models of IT Outsourcing: A systematic literature review", *International Journal of Advanced and Applied Science*, Vol. 4, No. 12., pp 52-56 (WOS)
13. Noor, M., Q., N., Daud., S., M., Ahmad., N., A., **Maarop, N.**, Sa'at, M.,N., I., Aziz., N.S. (2017), "Defense Mechanism against Machine Learning Modeling Attacks on Strong Physical Unclonable Functions for IoT Authentication: A Review, *International Journal of Advanced Computer Science and Application*, Vo.8. No.2, pp 128-137 (WOS)
14. **Maarop, N.**, Win, K.T. (2012). "Understanding the Need of Health Care Providers for Teleconsultation and Technological Attributes in Relation to The Acceptance of Teleconsultation in Malaysia: A Mixed Methods Study", *Journal of Medical Systems (J MED SYST)*, 36 (5), ISSN: 0148-5598, (ISI-Q2, IF: 2.3)

REFEREED JOURNAL ARTICLES (NON-INDEXED)

1. Hooi Ten, D., W., **Maarop, N.**, Yusof, N., N., Krishna Nair, H., N., Abdollah, N., F., (2018), "Big Data: Ethical, Social And Political Issues In Telecommunication Industry", *Open International Journal Of Informatics*, Vol. 6,pp. 18-25
2. Ganthan, NS., Magalingam, P., **Maarop, N.**, Hooi Ten, D., W., Hassan,N.,H., Awang,N.,(2018). "Risk Assessment Using Big Data Analytics Approach: A Review", *Open International Journal Of Informatics (OIJ)*, Vol. 6, pp. 1-12.
3. Ganthan, NS., Magalingam, P., **Maarop, N.**, Radha Krishnan,M., Shanmugam, B., Perumal,S.,(2018). 'Proposed Insider Threat Detection Model For Malaysian Government Agencies", *Open International Journal Of Informatics (OIJ)*, Vol. 6, pp. 54-67.
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RESEARCH SUPERVISION

PHD

Student Name	Research Working Title	Area of Research	Level	Status
WAN FAEZAH ABBAS	Enterprise Architecture for Digital Transformation Adaptation in Higher Education Institution	Information Systems/ Governance Informatics	PhD	On -going(Co)
WAN MIMI HIRDAWATI WAN AFFANDI	Factors Influencing Adult Users Satisfaction on Quranic Application	Information Systems	PhD	On-going(Main)
AKEEM SULAIMAN KURANGA	Critical Success Factors for Enterprise Resource Planning Systems Post Implementation in A Public Sector Organization	Information Systems/ Governance Informatics	PhD	On-going(Co)
FARHANA AINI BT SALUDIN	Web Design Features for Chronic Disease Patients	Information Systems/ Health Informatics	PhD	On-going(Main)
ALTALHI MARYAM MUTI A	A Study of Social Co-Creation Acceptance Among Females in Saudi Arabia	Information Systems/ Social Informatics	PhD	Completed(Main)
SURYA SUMARNI HUSSEIN	Enterprise Architecture Readiness Assessment Model for a Successful EA Establishment in Malaysia	Information Systems/ Governance Informatics	PhD	Completed(Co)
KHAN SOHRAB	Factors Influencing Citizens Trust to Participate in Government Social Media	Information Systems/ Social Informatics	PhD	Completed(Co)
NOOR HAFIZAH HASSAN	Factors Influencing Information Security Culture Among Healthcare Professional	Information Systems/ Health Informatics	PhD	Completed(Co)

MASTER BY COURSE / MASTER MIXED MODE

Student Name	Research Working Title	Area of Research	Level	Status
MARHA SIDIK	Success Model of Digital Government in Malaysia Environment	Information Systems/ Governance Informatics	Master	Completed

NORJANAH SULAIMAN	Internet of Things Readiness Amongst Malaysian Public Organization	Information Systems/ Governance Informatics	Master	Completed
NUR NAZIRA MUSTAKENG	Factors Influencing Social Media Usage Towards Flood Disaster Management	Information Systems/ Business Intelligence	Master	Completed
SITI NORHIDAYAH MOHAMAD	Success Model of Business Intelligence Implementation in Higher Education: A Feasibility Study	Information Systems/ Business Intelligence	Master	Completed
NURHAZIRAH ABDAN	National Kidney Foundation (NKF) Malaysia Website Success Model	Information Systems/ Health Informatics	Master	Completed
ASLINA MAT ASLI	Juvenile Profiles Among Malaysian and Sexual Habit Pattern Detection Using Machine Learning Algorithm	Business Intelligence	Master	Completed
FATHI IBRAHIM SALIH YAGOUB	E-Government Adoption Model for Citizens in Sudan	Information Systems/ Information Security	Master	Completed
MUHAMMAD FARHAN BIN SHAHROM	Determining Factors Affecting Defence Against Social Engineering	Information Systems/ Information Security	Master	Completed
RINI YUDESIA BINTI NASWIR	Usability Conceptual Model of Digital Government in Malaysia	Information Systems/ Governance Informatics	Master	Completed
WAN MIMI HIRDAWATI WAN AFFANDI	Success Model of Research Information Management System in Research University	Information Systems/ Governance Informatics	Master	Completed
SITI RINIY FARIZA BINTI MOHD BORHAM	The Acceptance of Internet of Things (IoT) Considering Security Perspective in Malaysian Government	Information Systems/ Governance Informatics	Master	Completed
HASLINDA BINTI MAT AKHIR	Success Model for Bring Your Own Device (BYOD) Implementation Considering Human and Security Perspective in Malaysia Government Environment	Information Systems/ Governance Informatics	Master	Completed
HONG KIM HENG	A Conceptual Model of Factors Affecting Trust of Software as a Service Usage in Public Network	Information Systems/ Information Security	Master	Completed
REDHWAN AL-AMRI	Factors Influencing NFC Mobile Wallet Proximity Payment	Information Systems/ Information Security	Master	Completed
DERICK NG CHI HORNG	Factors Affecting Web Accessibility Implementation in Journalism Companies	Information Systems/ Informatics	Master	Completed

LUQMAN HAKIM IBRAHIM	Information Security Governance Framework for Intelligence Department	Information Systems/ Information Security	Master	Completed
SHEHAB AL BADRI	Secure Model for Online Shopping Among Millennial in Yemen	Information Systems/ Information Security	Master	Completed
KAVITHA THAMADHARAN	Feasibility of E-Assessment Among Lecturers Considering Security Perspective	Information Systems/ Information Security	Master	Completed
NURBAINI ZAINUDDIN	Feasibility Study of Cloud Computing Adoption in Private Hospital	Information Systems/ Health Informatics	Master	Completed
HASIMAH RAZAK	Security Features of Teleconsultation	Information Systems/ Health Informatics	Master	Completed
MEHRAN JANFESHAN	Vulnerability Detection Assessment in Large Organization	Information Security	Master	Completed
ABDUL QADER SHEIKH AIDARUS	Information Security Awareness Model for Employees in Bank	Information Systems/ Information Security	Master	Completed
MD ATHAR IMTIAZ	Feasibility Study of Lecturers' Acceptance of E- Assessment	Information Systems/ Education Informatics	Master	Completed
NURBAYA MOHD ROSLI	A Study of Acceptance of FROG VLE in Vocational College	Information Systems/ Education Informatics	Master	Completed
ERFAN AYAZI	Understanding Enterprise Resources Planning Implementation Success Factors in Steel Manufacturing Industry: A Case Study in Iran	Information Systems/ Enterprise Informatics	Master	Completed
MALAHAT POURANSAFAR	Understanding the Information Security Vulnerability in Electrical Industry: A Case Study in Iran	Information Systems/ Enterprise Informatics	Master	Completed
NURADILAH IBRAHIM	Factors Affecting the Acceptance of Mobile Application Among Millennials in Malaysia	Information Systems/ Social Informatics	Master	Completed
HATAMULLAH MOHD ARIF	Web Accessibility Features for Partially Blind Users	Information Systems/ Informatics	Master	Completed
NOORJAN MOHD MUSTAPHA	Success Factors of Information Security Management System Plan Phase Self Implementation	Information Systems/ Governance Informatics	Master	Completed
TAMIL CHELVI VADIVELU	Security Features for Remote Healthcare System in Government Hospital	Information Systems/ Health Informatics	Master	Completed