



NUR ATIQAHA SIA ABDULLAH

ASSOC PROF Ts DR

PROFILE

School of Computing Sciences
College of Computing, Informatics and Media
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Google Scholar:
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RESEARCH INTEREST

Software Metrics, Software Effort Estimation, Software Engineering,
Software Development, Software Security Risks, Social Media
Intelligence, Sentiment Analysis, Data Visualization

EDUCATION

BSc in Computer Science (1999), Universiti Putra Malaysia
MSc of Science (Management Information System) (2002),
Universiti Putra Malaysia
PhD in Software Engineering (2011), Universiti Putra Malaysia

ADMIN EXPERIENCE

Head of Research Initiative Group, College of Computing, Informatics and
Media, Universiti Teknologi MARA
Deputy Dean (Research and Industry Linkages), Faculty of Computer and
Mathematical Sciences, Universiti Teknologi MARA
Coordinator of Computer Science Studies, Center of Computer Science
Studies, Faculty of Computer and Mathematical Sciences, Universiti
Teknologi MARA
IT Warfare Fellow, Centre for Media & Information Warfare Studies (CMIWS),
Faculty of Communication & Media Studies, Universiti Teknologi MARA
Institute of Quality and Knowledge Advancement (InQKA) Internal Auditor
ISO 9001:2003 Certification Team, Faculty of Computer and Mathematical
Sciences, Universiti Teknologi MARA
Resident Staff, Teratai College, Universiti Teknologi MARA
Task Force for MOA MSTB-UiTM for Certified Professional for Requirements
Engineering Foundation Level (CPRE-FL) and Certified Tester Foundation
Level (CTFL)

PROFESSIONAL ACTIVITIES

Ministry of Higher Education Research Fund Assessment Panel, UiTM Level, 1 Jan – Dis 2023

Ministry of Higher Education Research Fund Assessment Panel, UiTM Level, 1 Jan – Dis 2022

Ministry of Higher Education Research Fund Assessment Panel, UiTM Level, 1 Jan – Dis 2021

Ministry of Higher Education Research Fund Assessment Panel, UiTM Level, 1 Jan – Dis 2020

Professional Technologist of Malaysian Board of Technologists (MBOT No. PT18040012)

IEEE Membership (#97852404)

Head, Knowledge and Software Engineering Research Group (KASERG), 2021 – 2024

Research Methodology Expert, Defence of Research Proposal PhD and Master (College) 2021 - 2024

Cotent Expert, Defence of Research Proposal PhD and Master (College) 2020 - 2024

Committee for China-ASEAN Academic Regional Education and Industry Research Collaboration, 18th China-ASEAN Alliance of Universities ofr Electronics Information Innovation Conference (CAAUEII), 15 September 2021

Editorial Board of CMIWS Review

Editorial Board of Journal of Media and Information Warfare

Editorial Board for Final Year Project Handbook, 28 Feb 2013 – 2019.

Reviewer, Journal of King Saud University, 26-12-2020 to 19-02-2021

Reviewer, Journal of Science and Technology, Pertanika, 20-01-2021 to 08-04-2021

Reviewer, Malaysian Journal of Computing, Vol 2, No 1, 2014; ISSN 2231-7473;

Reviewer, State-of-the-Art Concepts and Future Directions in Software Engineering Global Book Chapters.

Reviewer for several International Conferences (ICOS, iUSER, SCDS, ICOCI, MySEC, CAMP, ICOCO etc)

Pengerusi Jawatankuasa Penerbitan Buku Program SCDS 2016 - 2018.

Ahli Jawatankuasa Penerbitan Buku Program SCDS 2015.

Malaysia Association of Kansei Engineering (MAKE), Mac 2015 – Mac 2017.

Malaysia Software Engineering Interest Group (MySEIG), 2015 – 2019.

Content Expert for MOCK VIVA PhD FSKM, 2016-2020.

Internal Examiner for Master by Research (CS750), 2016.

Resource Person, Software Project Management (CSC575) course since 01 July 2015.

Resource Person, Advanced Software Engineering (CSC711) course since 01 Jan 2015.

Ahli Jawatankuasa Penubuhan Program Masters of Web Technology, 01 Jan 2013 – present.

Ahli Jawatankuasa Penstrukturan Semula Kurikulum Program Sarjana Sains Komputer (CS707), 01 Mac 2013 – 2018.

Ahli Jawatankuasa Semakan Dokumen OBE, Program Sarjana Muda Sains Komputer, 01 Apr 2014 – 2019.

Panel Semakan Kurikulum Program Sarjana MC701, 2014.

Pakar Bidang Penilai, Sesi Defence of Research Proposal, Fakulti Sains Komputer dan Matematik, 2014-2017.

Research Methodology Expert, Defence of Research Proposal PhD, 2013

Pemeriksa Tesis, Sesi VIVA Program Sarjana Sastera Pengajian Perangsaraf Media dan Informasi (MC771/MC701), 2012-2014.

Pakar Research Methodology, Defence of Research Proposal PhD, Faculty of Communication & Media Studies, Universiti Teknologi MARA, 2012-2014.

Pakar Penilai, PhD Proposal, Human Life Advancement Foundation (HLAF), 2014.

Session Chair, Internation Conference on Open Systems (ICOS 2014), 27 Oct 2014.

Session Chair, ICOCI 2015, Unversiti Utara Malaysia and Istanbul Sabahattin Zaim University, Turkey, 11-13 August 2015.

PROFESSIONAL QUALIFICATION & CONSULTATIONS

Consultation with Institut Antarabangsa Polisi Awam Dan Pengurusan (Inpuma), Universiti Malaya, on Corruption Modelling Project, 1 June to 31 December 2021

RAILS System Audit Consultation Project, awarded by Perbadanan Aset Keretapi (RAC), 12-12-2018 to 28-02-2019, RM15,600.00

Certified Professional for Requirements Engineering Foundation Level (CPRE-FL), Sep 2017. Awarded by International Requirements Engineering Board (IREB) and Malaysian Software Testing Board (MSTB)

Statutory Declaration of Copyright for “Innovated COSMIC FSM Calculator for Mobile Apps Development Cost Estimation”, Intellectual Property Right through Research Innovation Business Unit (RIBU), Universiti Teknologi MARA.

Consultation with Kementerian Pengajian Tinggi (KPT), Kajian Kerangka Pemikiran, Sikap dan Gaya Hidup Mahasiswa, RM120,355.20, 2015-2016.

Consultation with INTAN, Kursus Leveraging Social Media; 20–22 Jan 2014; Anjuran Institut Tadbiran Awam Negara (INTAN), Kampus Wilayah Tengah, Jabatan Perkhidmatan Awam Malaysia; Rujukan Surat 100-RMU P. 37/7/ 20140213004 bertarikh 13 Feb 2014.

Consultation with Biro Tata Negara, Kursus Asas Komunikasi Strategik Nasional; 11–13 Mac 2014; Biro Tatanegara (BTN); Rujukan Surat 100-RMU P. 37/7/ 20140319001 bertarikh 19 Mac 2014.

Consultation with Barisaon Nasional, Kursus Asas Komunikasi Strategik Nasional; 28–30 April 2014; Pusat Dagangan Dunia Putra (PWTC); Rujukan Surat: BN/SUA/P/2.Jld.2(45)2014.

Consultation with Barisan Nasional, Kajian Politik Selangor di bawah Ibu Pejabat Barisan Nasional; 12–22 Ogos 2014.

Consultation with Jabatan Perdana Menteri, Kajian Bajet 2015 di bawah Jabatan Perdana Menteri (JPM); 30 Sep–21 Okt 2014

RESEARCH GRANTS

Member Researcher, Data-driven Selection Model For Optimizing Active Learning Method Using Recommender Approach (600-RMC/FRGS 5/3 (152/2023)), 2023 – 2025: RM79,900. On-going.

Member Researcher, Hybrid Priority Scheduling Algorithm Based On Dynamic And Adaptive Method For Real-time Qos In Smart Agriculture (600-RMC 5/3/GPM (057/2022)), 2022 – 2024: RM20,000. On-going.

Member Researcher, Fake News Detection Using Model Based Machine Learning (600-RMC/GPM LPHD 5/3 (180/2021)): RM20,000.00. On-going.

Member Researcher, Ontology Guided Bert Based Model For Automatic Question Generation From Text Documents In Education Context(600-RMC/YTR/5/3 (023/2020)): RM30,000.00. On-going.

Member Researcher, (Digital Sandbox Leveraging Big Data Analytics For Cyber Security Threat Prevention (100-RMC 5/3 CR PRI (003/2022)): RM1,091,000.00. On-going.

Principle Researcher, Designing Multilingual Sentiment Classifier Algorithm for Social Media Data (600-IRMI/FRGS 5/3 (209/2019), 2019 – 2023: RM94,680. Completed.

Member Researcher, Dynamic Formation Method Of Autonomous, Distributed, And Uncertain Behavior Software Components (600-IRMI/FRGS 5/3 (214/2019): RM96,300.00. Completed.

Member Researcher, Ikinetstudio : A Comprehensive Pharmacokinetics And TDM Software Application to Enhance The Teaching, Learning And Practice Of Pharmacy Students And Pharmacists 600-IRMI/DANA 5/3/SINERGI (011/2018): RM30,000: Completed.

Principle Researcher, Political Inclination Classification Model for Malay Texts in Social Media (600-IRMI/DANA 5/3/LESTARI 90125/2016), (KCM 2016-2018): RM20,000. Completed.

Co-Researcher, Mobile Cloud Computing Application Penetration Testing Model (FRGS/1/2014/ICT04/UITM/02/3), (KCM 2014-2016): RM64,500. Completed.

Co-Researcher, Online Social Media Data Clustering Algorithm (600-RMI/FRGS 5/3 (163/2013)), (KCM 2013-2015): RM96,000. Completed.

Co-Researcher, Hybrid Iterative Bi-directional Kansei Design and Feedback Framework (600-RMI/FRGS 5/3 (72/2013)), (KCM 2013-2015) : RM87,600. Completed.

Co-Researcher, Spoken Document Retrieval (SDR) System for Formal Spoken Malay Language (01-01-01-SF0266), (KCM 2009-2011) : RM101,400. Completed.

Co-Researcher, Conceptual Semantic Knowledge Representation Formalism Method (KCM 2012-2014) : RM 80,000. Completed.

Principle-Researcher, Secure Software Cost Estimation Metric Using Function Point Analysis (KCM 2012-2014) : RM32,000. Completed.

Co-Researcher, A Modified Dice's Coefficient Technique for Solving Device Heterogeneity Issues in Cloud Computing Environment (KCM 2012-2014) : RM32,000. Completed.

Co-Researcher, An Immune-inspired Symmetric Encryption Model, (KCM 2012-2014) : RM32,000. Completed.

ACHIEVEMENTS

- Certified in Microsoft Azure Artificial Intelligence Fundamentals (AI-900T00), 2021
- Silver Medal, Meal Intake Recommender App for Gestational Diabetes Mellitus, IIDEX 2021.
- Gold Medal, iKinet STUDIO: A Responsive Web-based Pharmacokinetics Application, IIDEX 2019.
- The Best Presenter, Overlapping Issues and Solutions in Data Visualization Techniques, in Advanced Computing And Communication Track, 6th International Conference on Science and Social Research (CSSR2019), Kota Kinabalu.
- The Best Paper Award, Functional Size Measurement Tool-based Approach for Mobile Game, Malaysian Software Engineering Conference 2018 (MySEC'18).
- The Best Paper Award, Software Application for Analyzing Photovoltaic Module Panel Temperature in Relation to Climate Factors, in 3rd International Conference on Soft Computing in Data Science 2017 (SCDS2017).
- Best Final Year Project Supervisor Award 2016, Computing Sciences category, Faculty of Computer and Mathematical Sciences.
- Supervisor for the 2016 Final Year Project for the Dean Award (The Best for Computing Sciences), The Best Panel Industry Award, Champion for Program Computer Science.
- The Best Paper Award, International Conference on Soft Computing in Data Science (SCDS 2017), Software Application for Analyzing Photovoltaic Module Panel Temperature in Relation to Climate Factors., Springer Link, pp. 197-208
- Silver Award in Innovation Category for "Segmentation of Continuous Speech using Importance Variation Score", IIDEX UiTM 2016.
- Candidates for Maal Hijrah in the Mualaf Category, wakil UiTM, 2015.
- Silver Award in Innovation Category for "Malay Language Political Sentiment Analyzer", IIDEX UiTM 2015.
- e-Content Builder, Pilot Project i-SPRING for Advanced Software Engineering (CSC711), Nov 2014 – Mei 2015.
- e-Content Builder, Pilot Project i-SPRING for Project Formulation (CSP600), Nov 2014 – Mei 2015.
- Course Conductor, Blended Learning for Advanced Software Engineering (CSC711), Sep 2014 – Jan 2015.
- Leading Researchers (Vanguard), Universiti Teknologi MARA, 01 Dec 2013 – now.
- Silver Award in Innovation Category for "Innovated COSMIC FSM Calculator for Mobile Apps Development Cost Estimation", IIDEX UiTM 2014.
- Gold Award for "CRYPTIM SMS", iIDEA 2014.
- Silver Award in Innovation Category for "Innovated Software Cost Estimation Calculator using Object Point", IIDEX UiTM 2013.
- Student Advisor, Business Plan MIBPC MASMED, "Innovated COCOMO II Calculator", Jan – Mac 2013.
- Gold Award in Innovation Category for "Tool Support to Analyze Examination Question Specification", iIDEA 2013.

Organizing Committee in ACM-ICPC Malaysia National Programming Contest, Asia Regional Contest, 2012.

Outstanding Service Award (Anugerah Khidmat Cemerlang) 2007, Universiti Teknologi MARA.

Outstanding Service Award (Anugerah Khidmat Cemerlang) 2012, Universiti Teknologi MARA.

Outstanding Service Award (Anugerah Khidmat Cemerlang) 2018, Universiti Teknologi MARA.

Outstanding Service Award (Anugerah Khidmat Cemerlang) 2021, Universiti Teknologi MARA.

COMMUNITY ACTIVITIES

Captain in Reserve Officer Training Unit (ROTU), UiTM.

Member of Armed Forces Welfare Agency (BAKAT), Malaysian Armed Forces.

Member of Malaysia Chinese Muslim Association (MACMA).

Treasury of Ladies Group of Taman Cahaya Alam Seksyen U12, Shah Alam.

Members of Parents and Teachers Association (PIBG) SMJK Kwang Hua, Klang.

CONDUCTED WORKSHOPS & TRAININGS

Invited Speaker for Workshop in International Conference on Innovation and Entrepreneurship in Computing, Engineering and Science Education 2023 (invENT 2023).

Invited Speaker, Social Media and Perception Management Course, organized by Kluster Komunikasi Strategik, Institut Penyiaran dan Penerangan Tun Abdul Razak on 02-03 April 2019.

Invited Speaker, Social Media and Perception Management Course, organized by Kluster Komunikasi Strategik, Institut Penyiaran dan Penerangan Tun Abdul Razak on 27-29 March 2018.

Invited Speaker, Social Media Intelligence and Big Data Module, in Social Media and Perception Management Course, organized by Center of Media and Information Warfare Studies, Faculty of Communications and Media Studies, Universiti Teknologi MARA on 18 November 2017.

Invited Speaker, Mobile Application Development Course, in Fun Programming Programme, organized by Center of Computer Science Studies, Faculty of Computer and Mathematical Sciences, 29 August 2017.

Invited Speaker, Intensive Workshop for Sysomos, organized by Special Branch PDRM, 10 Nov 2016.

Invited Speaker, Intensive Workshop for Sysomos, organized by Center of Media and Information Warfare Studies, Faculty of Communications and Media Studies, Universiti Teknologi MARA on 13 August 2016.

Invited Speaker, Social Media Investigation Course (Sysomos), organized by Special Branch PDRM, 25-29 July 2016.

Invited Speaker, Minggu Destini Siswa Sesi Jun 2015, organized by ACIS UiTM, Masjid Al-Wathiqu Billah Tuanku Mizan Zainal Abidin, UiTM, 02 June 2015.

CONDUCTED WORKSHOPS & TRAININGS

Facilitator, Bengkel Pengaturcaraan Python, organized by Center of Computer Science Studies, Faculty of Computer and Mathematical Sciences, Makmal 15 CS2 FSKM, 14 August 2014.

Facilitator, Academy Course: Java Fundamentals Oracle, organized by Center of Computer Science Studies, Faculty of Computer and Mathematical Sciences, Makmal 15 FSKM UiTM, 25–27 Feb 2014.

Invited Speaker, Intensive Workshop for Trackur, organized by Majlis Keselamatan Negara (MKN), Selangor, 06-07 Feb 2014.

Invited Speaker, Kursus Asas Komunikasi Strategik Nasional Barisan Nasional (BN), organized by Ibu Pejabat Barisan Nasional, PWTC, 28-30 April 2014.

Invited Speaker, Leveraging Social Media for Effective Management, organized by Institut Tadbiran Awam Negara (INTAN), 20-22 Jan 2014.

Invited Speaker, Bengkel Asas Komunikasi Strategik Nasional Pegawai-Pegawai Biro Tata Negara (BTN), organized by BTN Sarawak, Yayasan Sarawak, Kuching, 11-13 March 2014.

Invited Speaker, Kursus Pengurusan Komunikasi Strategik Nasional (Strategi, Media & Informasi), organized by Polis DiRaja Malaysia Bukit Aman, 19-22 Nov 2013.

Invited Speaker, Mobile Application Development for Android course, organized by Special Branch (E7), Polis DiRaja Malaysia Bukit Aman, 09-10 Nov 2013.

Invited Speaker, Kursus Asas Gerak Saraf Perang Saraf (GSPS), organized by Majlis Keselamatan Negara (MKN), 25-28 Oct 2013.

Invited Speaker, Minggu Destini Siswa Sesi Sep 2013, organized by ACIS UiTM, Masjid Al-Wathiqu Billah Tuanku Mizan Zainal Abidin, UiTM, 02 Sep 2013

LIST OF PUBLICATIONS

JOURNALS

Khalid, N., Abdul-Rahman, S., Wibowo, W., **Abdullah, N.A.S.**, Mutalib, S. (2023). Leveraging social media data using latent dirichlet allocation and naïve bayes for mental health sentiment analytics on Covid-19 pandemic, *International Journal of Advances in Intelligent Informatics*, 2023, 9(3), pp. 457–471.

Zailan, A.S.M., Teo, N.H.I., **Abdullah, N.A.S.**, Joy, M. (2023). State of the Art in Intent Detection and Slot Filling for Question Answering System: A Systematic Literature Review, *International Journal of Advanced Computer Science and Applications*, 2023, 14(11), pp. 15–27.

Shamsul Anwar, S. F., Mohd Rosli, M., **Abdullah, N.A.S.** (2022). Classification of Fault Prediction: A Mapping Study, *Pertanika Journal of Science & Technology*, 30(3), pp. 2157-2171.

Mohd Sani, M.I., **Abdullah, N.A.S.**, Mohd Rosli, M. (2022). Review on Hypertension Diagnosis Using Expert System and Wearable Devices, *International Journal of Electrical and Computer Engineering (IJECE)*, 12(3), pp. 3166-3175.

Ismail, N. I., **Abdullah, N.A.S.**, Omar, N. (2022). Exploring Alumni Data using Data Visualization Techniques, *International Journal of Advanced Computer Science and Applications(IJACSA)*, 13(9), 2022. <http://dx.doi.org/10.14569/IJACSA.2022.0130922>

LIST OF PUBLICATIONS

JOURNALS

- Ismail, N. F., **Abdullah, N.A.S.**, Idrus, Z. (2021). Multistage Sentiment Classification Model using Malaysia Political Ontology, *International Journal of Advanced Computer Science and Applications*, 12(10), pp. 430-436.
- Mohamad, A. T., **Abdullah, N.A.S.** (2021). A Case Study on Social Media Analytics for Malaysia Budget, *International Journal of Advanced Computer Science and Applications*, 12(10), pp. 579-585.
- Abdullah, N.A.S.**, Rusli, N.I.A., (2021). Multilingual sentiment analysis: A systematic literature review, *Pertanika Journal of Science & Technology*, 29(1), pp. 445-470.
- Husin, N.D.I., **Abdullah, N.A.S.** (2019). Overlapping issues and solutions in data visualization techniques, *Indonesian Journal of Electrical Engineering and Computer Science* 16(3), pp. 1600-1608.
- Ibrahim, M.F., Adnan, R., Zainol, Z., **Abdullah, N.A.S.** (2018). A private cloud-based video transcoding architecture for project-based learning environment, *International Journal of Machine Learning and Computing*, 8(2), pp. 164-168.
- Nur Ida Aniza Rusli, **Nur Atiqah Sia Abdullah** (2018). Experimental Evaluation of Functional Size Measurement Method for UML Point. *Advanced Science Letters*, Vol. 24, Issue 10, pp. 7263-7268.
- Haslizatul Fairuz Mohamed Hanum, **Nur Atiqah Sia Abdullah**, Zainab Abu Bakar (2018). Instruction task for Malay phrase boundary annotation. *International Journal of Engineering and Technology (UAE)*, Vol. 7, Issue 3: pp.137-140.
- Rusli, N.I.A., Abdullah, N.A.S. (2017). UML point for mobile game A measurement method for sizing mobile game design, *Journal of Engineering and Applied Sciences*, 12(3), pp. 481-487.
- Lokman, A.M., Ismail, M.N., **Abdullah, N.A.S.**, Omar, A.R. (2017). Kansei wheelchair design based on KJ method, *Advanced Science Letters*, 23(5), pp. 4349-4353.
- Nur Ida Aniza Rusli, **Nur Atiqah Sia Abdullah** (2017). Sizing Mobile Game Design. *Journal of Engineering and Applied Sciences*, Vol. 12, Issue 3, pp. 481-487.
- Nur Atiqah Sia Abdullah**; Siti Hajar; Nasiroh Omar (2017). Analysis of Adapted Agile Methods based on Mobile Application Development Process. *Journal of Applied Environmental and Biological Sciences*, Vol. 7, No 6, Issue 6: pp. 43-50.
- Nur Atiqah Sia Abdullah**; Nurul Iman Shaari; Abd Rasid Abd Rahman (2017). Review on Sentiment Analysis Approaches for Social Media Data. *Journal of Engineering and Applied Sciences*, Vol. 12, No. 3: pp. 462-467.
- Nasiroh Omar; Ahmad Farhan Hamsani; **Nur Atiqah Sia Abdullah**; Siti Zaleha Zainal Abidin (2017). Construction of Malay Abbreviation Corpus Based on Social Media Data. *Journal of Engineering and Applied Sciences*, Vol. 12, No. 3: pp. 468-474.

LIST OF PUBLICATIONS

JOURNALS

Nur Ida Aniza Rusli; **Nur Atiqah Sia Abdullah** (2017). UML Point for Mobile Game: A Measurement Method for Sizing Mobile Game Design. *Journal of Engineering and Applied Sciences*, Vol. 12, No. 3: pp. 481-487.

Anitawati Mohd Lokman, Mohammad Nizam Ismail, **Nur Atiqah Sia Abdullah**, Abdul Rahman Omar (2017). Kansei Wheelchair Design Based on KJ Method. *Advanced Science Letters*, Vol. 23, Issue 5, pp. 4349-4353.

Nadia Masturah Zaki, **Nur Atiqah Sia Abdullah** (2015). Animation Propaganda: The Hidden Messages in Disney Princess Animation that Affects Children Learning. *Journal of Media and Information Warfare*, Vol. 7, pp.43-67.

Nur Atiqah Sia Abdullah, Suziana Zamli (2014). An Analysis of Public Trust and Confidence shown towards the Royal Malaysian Police in the Social Media. *Journal of Media and Information Warfare*, Vol. 6, pp. 11-38.

Nur Atiqah Sia Abdullah, Nur Ida Aniza Rusli (2014). COSMIC FPA Calculator for Mobile Application Development Cost based on Unity3D Game Engine. *Malaysian Journal of Computing*, Universiti Teknologi MARA, Vol. 2, No. 2.

Abdullah, N. A. S., Abdullah, R., Selamat, M. H., Jaafar, A., Jusoff, K. (2009). Estimating Software Cost with Security Risk Potential. *International Journal of Economics and Finance, Canadian Center of Science and Education*. Vol. 1, No. 1: pp. 183-192.

LIST OF PUBLICATIONS

BOOK CHAPTERS

Mohd Rosli, M., **Abdullah, N.A.S.**, Ruzaini, A. (2019). ReciPicker: Recipe recommendation using hybrid filtering for reducing food waste, *Frontiers in Artificial Intelligence and Applications*, 318, pp. 444-455.

Zairil Aznin, M.Z.A., Diah, N.M., **Abdullah, N.A.S.** (2019). Expert system for dota 2 character selection using rule-based technique, *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)* 11870 LNCS, pp. 318-326.

Abdullah N.A.S., Mohamed Idzham M.N., Aliman S., Idrus Z. (2019), *Malaysia Election Data Visualization Using Hexagon Tile Grid Map*. In: Yap B., Mohamed A., Berry M. (eds) *Soft Computing in Data Science. SCDS 2018. Communications in Computer and Information Science*, Vol 937. Springer, Singapore.

Mazalan, N.M., Idrus, Z., **Abdullah, N.A.S.**, Ibrahim, Z. (2019). An Overview of Visualization Techniques: A Survey of Food-Related Research, *Communications in Computer and Information Science*, 1100, pp. 91-104.

Saufi, M.M., Idrus, Z., Aliman, S., **Abdullah, N.A.S.** (2019). Clutter-reduction technique of parallel coordinates plot for photovoltaic solar data, *Communications in Computer and Information Science*, 937, pp. 337-349.

Abdullah, N.A.S., Wahid, N.W.A., Idrus, Z. (2017). Budget visual: Malaysia budget visualization, *Communications in Computer and Information Science*, 788, pp. 209-218.

Idrus, Z., **Abdullah, N.A.S.**, Zainuddin, H., Ja'afar, A.D.M. (2017). Software application for analyzing photovoltaic module panel temperature in relation to climate factors, *Communications in Computer and Information Science*, 788, pp. 197-208..

Abdullah, N. A. S., Abdullah, R., Selamat, M. H., Jaafar, A., *User Acceptance for Extended Function Point Analysis in Software Security Costing*, Book Chapter in *Software Engineering and Computer Systems - Communications in Computer and Information Science*, 2011, Volume 180, Part 3, pp. 346-360.

Shahnon Mohamed Salleh, **Nur Atiqah Sia Abdullah**, Anitawati Mohd Lokman, Noor Nirwandy Mat Noordin, Abd. Rasid Abd. Rahman. *The Social Media Representation of the Malaysian 13th General Election*, Chapter in *Media and the 13th General Election*, Publisher: South-South Information Gateway (SSIG), ISBN 9789833374434.

LIST OF PUBLICATIONS

SELECTED ARTICLES

Abdullah, N.A.S., Rokmain, N.S.S. (2023). Learning Human Anatomy Using Augmented Reality Mobile Application, 2023 International Conference on Digital Applications, Transformation and Economy, ICDATE 2023, 2023.

Azhar, N. A., **Abdullah, N. A. S.** (2022). Mapping Study of Critical Success Factor for Agile Software Project, 2022 IEEE International Conference on Computing (ICOCO), Kota Kinabalu, Malaysia, 2022, pp. 108-113, doi: 10.1109/ICOCO56118.2022.10031946.

Kamalbahrin, I. N., Hanum, H. M., **Abdullah, N. A. S.**, Adam, N. L., Kamal, N. A. M. , Bakar, Z. A. (2022). Industry Recommendation for Undergraduate Internship using Decision Tree, 2022 IEEE International Conference on Computing (ICOCO), Kota Kinabalu, Malaysia, 2022, pp. 375-379, doi: 10.1109/ICOCO56118.2022.10031980.

Rusli, N.I.A., **Abdullah, N.A.S.**, Abd Razak, F.N., Mufriz, N.M. (2022). Web-Based Parametric Effort Estimation for Mobile Application Development, Proceedings of International Academic Symposium of Social Science 2022, 82(1), 69;
<https://doi.org/10.3390/proceedings2022082069>

Ibrahim, S.S., **Abdullah, N.A.S.** (2021). Ontology Design for Patient Medication Record, 2021 13th International Conference On Information & Communication Technology And Systems (ICTS), 21 Oct 2021.

Yuslee, N.S., **Abdullah, N.A.S.** (2021). Fake News Detection using Naive Bayes, IEEE International Conference on System Engineering and Technology (ICSET2021), 6 Nov 2021.

Murad, M.A., **Abdullah, N.A.S.** (2021). Software Cost Estimation for Mobile Application Development - A Comparative Study of COCOMO Models, IEEE International Conference on System Engineering and Technology (ICSET2021), 6 Nov 2021.

Ibrahim, N., Abu Bakar, Z., Mohamed Hanum, H.F., **Abdullah, N.A.S.** (2021). Student-Industry Matching for Internship Placement, Fifth International Conference on Information Retrieval and Knowledge Management (CAMP), 2 Aug 2021.

Mahmud, D.M., **Abdullah, N.A.S.** (2016). *Reviews On Agile Methods In Mobile Application Development Process*, 2015 9th Malaysian Software Engineering Conference, MySEC 2015 7475214, pp. 161-165.

Lokman, A.M., Awang, A.A., Omar, A.R., **Abdullah, N.A.S.** (2016). *The integration of quality function deployment and Kansei Engineering: An overview of application*, AIP Conference Proceedings, 1705, 4940252.

Ismail, M.N., Lokman, A.M., **Sia Abdullah, N.A.** (2015). *Formulating Kansei concept of assistive device for people with physical disabilities*, Proceedings - 2014 3rd International Conference on User Science and Engineering: Experience. Engineer. Engage, i-USer 2014, 7002672, pp. 30-35.

LIST OF PUBLICATIONS

Abdullah, N. A. S., Rusli, N. I. A., Ibrahim, M. F., *Mobile Game Size Estimation: COSMIC FSM Rules, UML Mapping Model and Unity3D Game Engine*, IEEE Conference on Open Systems (ICOS 2014), pp. 42-47.

Mahmud, D.M., **Abdullah, N. A. S.**, *Mobile Application Development Feasibility Studies: A Case Study in Universiti Teknologi MARA*, IEEE Conference on Open Systems (ICOS 2014), pp. 30-35.

Mohammad Nizam Ismail, Anitawati Mohd Lokman, **Nur Atiqah Sia Abdullah**, *Formulating Kansei Concept of Assistive Device for People with Physical Disabilities*, 3rd International Conference on User Science and Engineering (i-USER 2014), Malaysia, Sept 2-5, 2014.

Abdullah, N. A. S., Rusli, N. I. A., Ibrahim, M. F., *A Case Study in COSMIC Functional Size Measurement: Angry Bird Mobile Application*, IEEE Conference on Open Systems (ICOS 2013), DOI: 978-1-4799-0285-9/13, pp. 139-144, Kuching, Sarawak, Dec. 2-4, 2013.

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SUPERVISIONS

GRADUATED PHD STUDENTS

	Students Name	Institutions	Title
1	Nur Ida Aniza binti Rusli	FSKM, UiTM	Mobile Game Application Effort Estimation using UML Point
2	Haslizatul Fairuz Mohamed Hanum	FSKM, UiTM	Segmentation of Malay Speech into Prosodic Phrase
3	Khairudin Murad	FKPM, UiTM	Visual Intelligence of Political Campaign Towards Malay Unity
4	Zakiah Binti Noh	KPPIM, UiTM	Poem Viewer : Visualization of Standard Malay Texts

ON GOING PHD STUDENTS

	Students Name	Institutions	Title
1	Zhang Fuye	KPPIM, UiTM	The Research On The Essential Significance Of The Technology, Processes And People During Software Project Development And Requirement In Public Sector In China
2	Wang Lei	KPPIM, UiTM	Deep Learning-based Sentiment Analysis On Social Networks
3	Wan Mohamad Ridhwan Khaldin	KPPIM, UiTM	An Aspect-level Of Twitter Sentiment Analysis: Asynchronous E-learning In Public University In Malaysia
4	Li Feng	KPPIM, UiTM	Research Of Cluster Analysis Algorithm Based On Online Learning
5	Chen Qiang	KPPIM, UiTM	A Privacy Preserving Logistic Regression Algorithm (Pplra) For Data Privacy In The Context Of Big Data
6	Aliza Shah Muhammad Shah	KPPIM, UiTM	Survival Model For Printed Newspaper In The Digital Era

ON GOING MASTER STUDENTS

	Students Name	Institutions	Title
1	Anis Syafiqah Binti Mat Zailan	KPPIM, UiTM	Intent Classification, Recognition And Detection For Question Answering System (QAS) Via Chatbot For Universiti Teknologi MARA (UiTM)
2	Farah Alissa Binti Khairul Anuar	KPPIM, UiTM	Enhancement Of Pre-processing Methods In Sentiment Analysis For Malay-English Text
3	Sasha Farhana Binti Shamsul Anwar		Dataset Metamodel For Data Interpretation In Software Engine
4	Nur Farhana Ismail	FSKM, UiTM	Multi-stage Classification Model for Sentiment Analysis on Twitter for Malay Text in Political Domain
5	Norhayati Mohd Husni	FSKM, UiTM	Cascading Transformation of Hektar REIT Web System Using Responsive Web Design Approach

SUPERVISIONS

GRADUATED MASTER STUDENTS (COURSEWORK)

	Students Name	Institutions	Title
1	Maisarah Adibah Binti Murad	FSKM, UiTM	Software Cost Drivers For Mobile Application Development
2	Nurshaheeda Shazleen Binti Yuslee	FSKM, UiTM	Fake News Detection Using Model-oriented Approach
3	Nurhanani Izzati Binti Ismail	FSKM, UiTM	Alumnibase: Exploring Alumni Data Using Data Visualization Techniques
4	Siti Syahirah Ibrahim	FSKM, UiTM	Ontology Design For Patient Medication Record
5	Taufiq Mohamad	FSKM, UiTM	A Case Study On Social Media Analytics For Malaysia Budget
6	Muhammad Izzuddin Mohd Sani	FSKM, UiTM	Review On Hypertension Diagnosis Using Expert System And Wearable Devices
7	Azizan Haniff Bin Adenan	FSKM, UiTM	Web Design For Reengineering Pharmacokinetics Application
8	Nur Ida Aniza Binti Rusli	FSKM, UiTM	UML-based COSMIC FSM For Mobile Application
9	Mohd Sufiean Hassan	FKPM, UiTM	The Impact Of Social Media On Political Participation Among Young People
10	Anis Amilah Shari	FKPM, UiTM	Knowledge Representation Using Frame And Conceptual Dependency
11	Nurul Atika Farida	FKPM, UiTM	Political Sentiment Analysis In Malaysia
12	Suziana Zamli	FKPM, UiTM	Analysis Of Police Confidence Through Social Media
13	Muhammad Shahiffuden Shamsudin	FKPM, UiTM	Election Prediction Model Using Twitter For Kajang Election
14	Norul Hidayah Bt Razali	FSKM, UiTM	Comparison Of Agile Methods In Developing Mobile Application
15	Ain Zubaidah Mohd Saleh	FSKM, UiTM	Comparison Of Software Size Metrics For Mobile Application
16	Mohd Nill Rashdann Bin Mohd Rasid	FKPM, UiTM	Analysis Of Online Political Forums Based On Adapted Democratic Model
17	Siti Annur Muizzah Binti Mohamad Ibrahim	FKPM, UiTM	Analysis Of Terrorist Video Characteristics Through Youtube Video Content Analysis
18	Nurul Iman Shaari	FSKM, UiTM	Political Inclination Sentiment Analysis Using Lexicon And Support Vector Machine Approaches For Malay Tweets
19	Tatinorhajar Mohd Jakere	FKPM, UiTM	Malaysian Perception Towards Goods And Services Tax (GST) Implementation
20	Nurul Ifziah Zainudin	FKPM, UiTM	Counter Narrative Of ISIS In Malaysia
21	Mohd Suffian Abdul Raman	FKPM, UiTM	Candidate Characteristics: A Case Study In Sungai Besar And Kuala Kangsar Election 2016