CURRICULUM VITAE

I. PERSONAL PARTICULARS

Name	Dr. Muslihah binti Wook
Current Position **Faculty / Department**	Senior Lecturer (DS 52) Faculty of Defence Science and Technology Department of Computer Science
Research Interest	• Artificial Intelligence/Machine Learning • Data Mining Applications in Education, Medicine, and Health Fields • Big Data Technologies • Social Network User Behaviour • Information Science/Information System • Quantitative and Qualitative Analysis

II. ACADEMIC AND PROFESSIONAL QUALIFICATIONS
(Please list all academic qualifications, from your first degree, in chronological order)

Year	Degree	Discipline	University
2017	Doctor of Philosophy	Information Science	Universiti Kebangsaan Malaysia (UKM)
2004	Master of Science	Computer Science	Universiti Putra Malaysia (UPM)
2001	Bachelor of Information Technology (Hons)	Information Technology	Universit Utara Malaysia (UUM)

III. TITLES OF POSTGRADUATE THESES WRITTEN (At MSc/PhD Level)

Degree	Titles of Postgraduate Theses
PhD	Model of Educational Data Mining Acceptance among Public University Students in Malaysia
Master	Application of Soft Computing: Biometrics

IV. WORK EXPERIENCE (Please list your relevant experience in chronological order)

Year	Position	Organisation	Start and End Date
2001	Tutor	Faculty of Quantitative Science, Universiti Utara Malaysia	November 2001 – January 2004
2004	Lecturer	Faculty of Quantitative Science, Universiti Utara Malaysia	January 2004 – October 2008
2008	Lecturer	Department of Computer Science, Faculty of Defence Science and Technology, Universiti Pertahanan Nasional Malaysia	October 2008 – October 2017
2017	Senior Lecturer	Department of Computer Science, Faculty of Defence Science and Technology, Universiti Pertahanan Nasional Malaysia	October 2017 – present

1.0 TEACHING AND SUPERVISION

1.1 Postgraduate Courses

(Please list in chronological order and state: course title, semester and year)

No.	Course Title	Semester	Year
1.	PPS 4011/5011 Research Methodology	II	2019
2.	PPS 4011/5011 Research Methodology	I	2020
3.	PPS 4011/5011 Research Methodology	II	2021
4.	PPS 4011/5011 Research Methodology	I	2022
5.	PPS 4011/5011 Research Methodology	II	2022

No.	Course Title	Semester	Year
6.	PPS 4011/5011 Research Methodology	I	2023

1.2 First Degree Courses

(Please list in chronological order and state: course title, semester and year)

No.	Course Title	Semester	Year
1.	QQS 1013 Elementary Statistics QQP 1023 Statistics for Social Science	I	2004/2005
2.	QQS 1013 Elementary Statistics QQM 1023 Managerial Mathematics	II	2004/2005
3.	QIT 1013 Programming for Business Applications QQM 1023 Managerial Mathematics	I	2005/2006
4.	QIT 3023 Information System and Decision Making QQM 1023 Managerial Mathematics	II	2005/2006
5.	QIT 1013 Programming for Business Applications QQS 1013 Elementary Statistics	I	2006/2007
6.	TIV 3063 Mobile Multimedia Technology and Ubiquitous Computing TIV 3073 Multimedia Seminar	II	2006/2007
7.	QIT 1013 Programming for Business Applications QQS 1013 Elementary Statistics	I	2007/2008
8.	QIT 3033 Knowledge Acquisition in Decision Making QQM Managerial Mathematics	II	2007/2008
9.	QIT 3033 Knowledge Acquisition in Decision Making	I	2008/2009
10.	TSK1213 Information System and Multimedia SZK 3683 Multimedia Introduction	II	2008/2009
11.	EFC 1103 Computing 1 (C++)	I	2009/2010
12.	TSI 2253 Intelligent Agents EFC 1103 Computing 1 (C++)	II	2009/2010
13.	TSI 2253 Intelligent Agents TSI 3263 Data Mining	II	2010/2011
14.	EFC 1103 Computing 1 (C++)	I	2011/2012
15.	TSI 3263 Data Mining	II	2015/2016

No.	Course Title	Semester	Year
16.	TSK 1133 Fundamentals of Programming (Java)	I	2016/2017
17.	TSI 3263 Data Mining	II	2016/2017
18.	TSK 1133 Fundamentals of Programming (Java)	I	2017/2018
19.	TSI 3263 Data Mining TSK 2413 Group Project	II	2017/2018
20.	TSK 3213, TSP 3213 Fundamentals of Programming (Java)	I	2018/2019
21.	TSB 3363 Data Mining	II	2018/2019
22.	TSB 3283 Ethics and Professionalism in ICT	III	2018/2019
23.	TSP 3213 Fundamentals of Programming (Java)	I	2019/2020
24.	TSI 3323 Data Mining TST 3273 Artificial Intelligence	II	2019/2020
25.	TST 3283 Ethics and Professionalism in ICT	III	2019/2020
26.	TSP 3213 Fundamentals of Programming (Java)	I	2020/2021
27.	TSI 3323 Data Mining TST 3273 Artificial Intelligence	II	2020/2021
28.	TSP 3213 Fundamentals of Programming (Java) TST 3293 Software Engineering	I	2021/2022
29.	TSI 3323 Data Mining TST 3273 Artificial Intelligence	II	2021/2022
30.	TSP 3213 Fundamentals of Programming (Java) TST 3293 Software Engineering	I	2022/2023
31.	TST 3223 Database Systems	II	2022/2023
32.	TSP 3213 Fundamentals of Programming (Java) TSK 3306 Project	I	2023/2024

1.3 Diploma Courses

(Please list in chronological order and state: course title, semester and year)

No.	Course Title	Semester	Year
1.	NIL		
2.			

1.4 Pre-Degree Courses

(Please list in chronological order and state: course title, semester and year)

No.	Course Title	Semester	Year
1.	FCS 0712 Computer Literacy	I	2009/2010
2.	FCS 0712 Computer Literacy	I	2010/2011

1.5 PhD Supervision

(Please list in chronological order)

No.	Name of Student	Project Title	Date of Registration	Role (Main / Co-Supervision)	Status • Completed • Submitted • In Progress	University
1.	Zam Zarina binti Abdul Jabar (3191235)	Data Quality, Informaton Privacy and Security Awareness Model for Enhancing Big Data Analytics Acceptance	3rd September 2019	Main Supervision	In progress	Universiti Pertahanan Nasional Malaysia
2.	Irma Syarlina binti Che Ilias (3201268)	Influence of User Gratifications and Image Engagements on Continuous Image Use Behaviour among Malaysian Students	2nd March 2020	Co-Supervision	Completed	Universiti Pertahanan Nasional Malaysia
3.	Normaizeerah binti Mohd Noor (3211469)	Food Security and Traceability using Blockchain-based	10th March 2021	Co-Supervision	Submitted	Universiti Pertahanan Nasional Malaysia

No.	Name of Student	Project Title		Date	External / Internal	Status	University

4.	Norulzahrah binti Mohd Zainudin (3201333)	Integrating Technology Readiness Index Into Digital Forensic Model For Cyber Security Practitioners	6th July 2020	Co-Supervision	In progress	Universiti Pertahanan Nasional Malaysia
5.	Tuan Khalisah binti Tan Zizi @ Tuan Azizi (3211463)	Prediction of Human Emotion Through Eye-Gaze and Heart Rate Using ANFIS Technique	10th March 2021	Co-Supervision	In progress	Universiti Pertahanan Nasional Malaysia
6.	Liyana Safra binti Zaabar (3221733)	Development of Political Tweet Sentiment Analysis Model Using Lexicon-Based and Machine Learning Techniques	13th September 2022	Co-Supervision	In progress	Universiti Pertahanan Nasional Malaysia

1.6 PhD External/Internal Examination

(Please list in chronological order)

No.	Name of Student	Project Title	External / Internal	Date of Viva	University
1.	Wan Su Emi Yusnita binti Wan Yusof	Enhancement of Knowledge Based Framework for Military Observer in Peacekeeping Activities	Internal Examiner	2nd November 2018	Universiti Pertahanan Nasional Malaysia
2.	Chindo Abdulrasaq Ayinla - (901651)	A New Framework For Predicting The Magnitude Of Flood Along Foma River Ilorin Kwara Nigeria Using Cross Sectional Factors	External Examiner	29th July 2020	Universiti Utara Malaysia

1.7 MSc (by Research)

(Please list in chronological order)

No.	Name of Student	Project Title	Date of Registration	Role (Main / Co-Supervision)	Status • Completed • Submitted • In Progress	University
1.	Muhammad Hakiem bin Halim (3201298)	Analisis Peramalan Banjir Kilat di Selangor Menggunakan Teknik Perlombongan Data	2nd March 2020	Main Supervision	Completed	Universiti Pertahanan Nasional Malaysia
2.	Nurul Aini binti Kasran (3080401)	Virtual Reality Technology for Terrain Map Visualization	7th March 2017	Co-Supervision	Completed	Universiti Pertahanan Nasional Malaysia
3.	Kapt Ahmad Nazreen Hakimi bin Ahmad Nasir (3191150)	Detection of Fake Account in Online Social Network (OSN) Using Network Analysis	8th January 2019	Co-Supervision	Completed	Universiti Pertahanan Nasional Malaysia
4.	Nur Atiqah binti Malizan (3211387)	Opinion Mining based on Text using Hybrid Kansei Engineering Machine Learning and Lexicon-based Approach for National Security	10th March 2021	Co-Supervision	Completed	Universiti Pertahanan Nasional Malaysia
5.	Nor Najihah binti Zainal Abidin (3201334)	Service Interactions Coordination Using a Declaration Approach from Semantic of Business Vocabulary and Rules (SYBR) Models	6th July 2020	Co-Supervision	In progress	Universiti Pertahanan Nasional Malaysia
6.	Iksan bin Tamrin	Security and privacy Challenges and Requirements of Big Data in Higher Education Institution During Covid-19 Pandemic	20th January 2022	Co-Supervision	In progress	Universiti Pertahanan Nasional Malaysia

1.8 MSc External/Internal Examination

(Please list in chronological order)

No.	Name of Student	Project Title	External / Internal	Date of Viva	University
1.	Mohammad Aminul Haq bin Mohd Ghazali	Coping Strategy Model of Cyberbully Victims Among University Students	Internal	18th May 2022	Universiti Pertahanan Nasional Malaysia
2.	Nur Eleesa Muhammad Faresh Shah Suresh	Development of A New Higher Education Institutions Social Media Performance Indicator Using Multi-Criteria Decision Making Approach	External	29th November 2022	Universiti Utara Malaysia

1.9 Supervision (Final Year Research Project)

(Please list in chronological order)

No.	Name of Student	Project Title	Year	Role (Main/Co-Supervision)	Status • Completed • Submitted • In Progress
1.	Pkdt Mohd Shamsuddin bin Azmi	Inventory System with SMS Alert	2009	Main Supervisor	Completed
2.	Pkdt Qahfy bin Abdul Rahman	Vehicles Maintenance System	2009	Main Supervisor	Completed
3.	Pkdt Mohamad Zaidi bin Che Mat	Vehicles Management System	2009	Main Supervisor	Completed
4.	Pkdt Adila Farhana binti Che Manan	Online Performance Evaluation System for UPNM's Academic Staff	2009	Main Supervisor	Completed
5.	Pkdt Muhammad Adib bin Md Roduan	Weapons Store Management System Using Barcode Technology	2010	Main Supervisor	Completed
6.	Pkdt Mohd Nazirul Ikram bin Norsidek	Timetabling System for FSTP	2011	Main Supervisor	Completed

7.	Pkdt Mohd Hafiz bin Muhaidin	Digital Compass System	2011	Main Supervisor	Completed
8.	Pkdt Siti Noor Adilah binti Mat Jusoh	Vehicle Monitoring System Using Smart Card	2011	Main Supervisor	Completed
9.	Pkdt Mohd Nurul Ezuan bin Mohd Azizi	Attendance System using Face Recognition Technique for FSTP's Staff	2011	Main Supervisor	Completed
10.	Pkdt Mohd Hazreen bin Abu Seman	Timetabling System for FSTP's Computer Lab Using Genetic Algorithm	2011	Main Supervisor	Completed
11.	Pkdt Amirul Rashid bin Aminal Rashid	Car Plate Recognition System Using Template Matching	2011	Main Supervisor	Completed
12.	Pkdt Hussain Faizrahimi bin Haji Abdullah	Home Application System of the Armed Forces	2016	Main Supervisor	Completed
13.	Pkdt Ammar Zaki bin Mohamed Shamlan	Prediction of Learning Course Performance Based on PLS-SEM Techniques	2016	Main Supervisor	Completed
14.	Pkdt Mohamad Amirul Firdhaus bin Sazali	Haj Interactive System	2016	Main Supervisor	Completed
15.	Pkdt Mohamad Saufi Aza bin Mohd Idris	Students' Acceptance of Prevention Dengue Game Based on UTAUT2	2016	Main Supervisor	Completed
16.	Pkdt Nur Izzat bin Mohd Nor	Impact of Immersion Towards Time Perception in Digital Game	2016	Main Supervisor	Completed
17.	Pkdt Muhammad Arifin bin Muhammad	Merit and Demerit Computer-Based System	2017	Main Supervisor	Completed
18.	Muhamad Syafiq bin Muhamad Yusof	Computer Science Lab Monitoring System	2017	Main Supervision	Completed
19.	Pkdt Amir bin Bujal	Application and Verification System of Article in Indexed Journals	2017	Main Supervision	Completed
20.	Pkdt Raja Muhammad Amirul bin Raja Mahadi	E-Resume System for UPNM's Academic Staff	2017	Main Supervision	Completed

21.	Pkdt Mohamad Shahadan bin Mohd Azam	Mosque Equipment Complaints Management System	2018	Main Supervision	Completed
22.	Pkdt Nur Amira Nabilah binti Kamarudin	Medical Equipment Management System	2018	Main Supervision	Completed
23.	Sharmelen a/l Vasanthan	e-Application System of New Academic Program	2019	Main Supervision	Completed
24.	Pkdt Muhammad Amin bin Rosnan	e-Graduation System	2019	Main Supervision	Completed
25.	Pkdt Muhammad Danish bin Hasdura	Convocation E-Award System	2020	Main Supervision	Completed
26.	Muhammad Nur Firdaus	Lecturer Teaching Feedback Text Analysis System in Bilingual Using Opinion Mining Techniques	2020	Main Supervision	Completed
27.	Pkdt Ainul Azlisham bin Abdul Roni	UPNM Sports Award Nomination System	2020	Main Supervision	Completed
28.	Shahirah Shazana binti A Rahman	Postgraduate Student e-Data System	2020	Main Supervision	Completed
29.	PK Aizuddin Akmal bin Abd Rahman	UPNM Lecturer Appointment System Based on Android	2021	Main Supervision	Completed
30.	PK Sham Hairul Haiqal bin Nor Hisham	ALK UPNM Cadet Officer Line Statement System Based on Android	2021	Main Supervision	Completed
31.	PK Emil Syahid bin Iskandar	Virtual Stall Application System Using Geofence Technology	2021	Main Supervision	Completed
32.	PK Muhammad Syahrul Amri bin Zunihan	Weapon Production Security System in UPNM Armscode Based on Android	2021	Main Supervision	Completed
33.	PK Nuqman bin Mohd Noor	Indexed Journal Article Validation System	2021	Main Supervision	Completed
34.	Emma Anak Mireng	Online Consultation System of Covid-19 Patients	2022	Main Supervision	Completed
35.	Nurul Qistina binti Badrul Hisham	Donation and Gift Verification System	2022	Main Supervision	Completed
36.	Khairul Irfan bin Khir Junaidi	Flash Flood prediction System Using Decision Tree Algorithm	2022	Main Supervision	Completed
37.	Nazatul Asyikin bin Mohd Sani	UPNM Publication Information	2022	Main Supervision	Completed

		Management System			
38.	Katirvan a/l Nagarajoo	High Mortality Covid-19 Prediction System Using Decision Tree Algorithm	2022	Main Supervision	Completed
39.	Mohamed Imran Khan bin Mohamed Johari	Mobile Tax Receipt Management System	2022	Main Supervision	Completed
40.	Amirul Mustaqim bin Kamil	Anomalous Detection System for Post-COVID-19 Disease Using Clustering Algorithm	2022	Main Supervision	Completed
41.	Nurul Ain Najwa binti Norsam	Prediction System for Diabetes Risk in Post-Gestational Diabetes Mellitus Women Using Decision Tree Algorithm	2022	Main Supervision	Completed
42.	Puteri Najwa Nabila binti Md Hodrin	Prediction System of Postpartum Gestational Diabetes Mellitus Using Decision Tree Algorithm	2022	Main Supervision	Completed
43.	Yogiina A/P Selvamani	Gut Microbiota Composition Detection System Based on Clustering Algorithm	2022	Main Supervision	Completed
44.	Nurul Qarisya Farhana binti Sharuddin	Early Warning System For Predicting Mortality Risk of Covid-19 Patients Using Decision Tree Algorithm	2023	Main Supervision	In Progress
45.	Syaizwan Syafiq bin Mohd Syah Rizal	Diabetic Foot Ulcer Outcome Prediction System Using Decision Tree Algorithm	2023	Main Supervision	In Progress
46.	Anas Fadhli bin Zamzuri	Digital Eyestrain Prediction System Using Decision Tree Algoritm	2023	Main Supervision	In Progress
47.	Sheshanraaaj A/L D Manie Segaran	Staphylococcus Aureus Infection Severity Prediction System Using Decision Tree Algorithm	2023	Main Supervision	In Progress
48.	Haresh Sharma A/L Murugan	Autism Spectrum Disorder (ASD) Prediction System Using Decision Tree Algorithm	2023	Main Supervision	In Progress

2.0 RESEARCH, PUBLICATION AND PRESENTATION

2.1 Research Projects

(Please list in chronological order and state: title, list of researchers, grant/year, source/amount and status)

No.	Title	List of Researchers • Principal • Members	Grant Year	Source Amount	Status • Completed • In Progress
1.	Advancing Care: A Decision Tree-Based Prediction System for Post-COVID-19 Complications (SF0143-UPNM/2023/SF/ICT/6)	• **Dr. Muslihah Wook (Principal)** • Prof. Madya Ts. Dr. Suzaimah Ramli • Prof. Madya Ts Dr. Noor Afiza Mat Razali • Ts. Dr. Nor Asiakin Hasbullah • Ts. Norulzahrah Mohd Zainudin • Dr. Zubaidah Hasain	2023	Self-fund	In progress
2.	Enhancing Cybersecurity by Tracing Website Authenticity: An Evaluation of Methods (SF0142-UPNM/2023/SF/ICT/5)	• Ts. Norulzahrah Mohd Zainudin • Ts. Dr. Nor Asiakin Hasbullah • **Dr. Muslihah Wook** • Prof. Madya Ts. Dr. Suzaimah Ramli • Prof. Madya Ts Dr. Noor Afiza Mat Razali	2023	Self-fund	In progress
3.	Network Anomaly Detection Framework using Deep Learning for IoT in Smart Home Environment (UPNM/2023/GPPP/ICT/2)	• Prof. Madya Ts Dr. Noor Afiza Mat Razali Prof. Madya Ts. Dr. Suzaimah Ramli • Ts. Dr. Nor Asiakin Hasbullah • **Dr. Muslihah Wook** • Ts. Norulzahrah Mohd Zainudin	2023	RM 20,000.00	In progress

4.	Image Analysis Framework for Driver Emotion Detection using Deep Learning Approach (SF0126-UPNM/2022/SF/ICT/1)	• Prof Madya Dr Suzaimah Ramli (Principal) • Prof Ts Gs Dr Mohd 'Afizi Mohd Shukran • Prof Madya Ts. Noor Afiza Mat Razali • Pn. Norulzahrah Mohd Zainudin • Ts. Dr. Nor Asiakin Hasbullah • **Dr. Muslihah Wook** • Dr. Norazlin Ibrahim • Dr. Slamet Riyadi	2022	Self-fund	In progress
5.	Autonomous Underwater Vehicle (AUV)- Application in Military and Commercial (SF0099-UPNM/2019/SF/TK/1)	• Prof Madya Ts. Dr. Noor Afiza Mat Razali (Principal) • Prof Madya Dr Suzaimah Ramli • Prof. Dr Mohd Nazri Ismail • Ts. Dr. Nor Asiakin Hasbullah • Prof Madya Dr. Mohd Fahmi Mohamad Amran • Pn. Norulzahrah Mohd Zainudin • **Dr. Muslihah Wook** • Hasmeda Erna Che Hamid	2019	Self-fund	Completed
6.	Image Profile Centred Model For Gratifications Of Users Online Social Media Behaviour (UPNM/2020/GPJP/ICT/2)	• Prof Madya Dr Suzaimah Ramli • Pn. Norulzahrah Mohd Zainudin • Prof Madya Ts. Noor Afiza Mat Razali • Ts. Dr. Nor Asiakin Hasbullah • **Dr. Muslihah Wook** • Pn. Khairani Abdul Majid	2020	RM 20,000.00	Completed
7.	Classification of Remote Sensor Data for Flood Disaster Forecasting using Data Mining Hybrid	• **Dr. Muslihah Wook (Principal)** • Ts. Dr. Noor Afiza Mat Razali	2019	RM 46,443.00	Completed

	Techniques (RACER 2019-1)	• Prof. Madya Dr. Suzaimah Ramli • Pn. Norulzahrah Mohd Zainudin • Ts. Dr. Nor Asiakin Hasbullah • Dr. Norshahriah Abdul Wahab • Pn. Hasmeda Erna Che Hamid • En. Khairul Khalil Ishak			
8.	Service Interactions Coordination Using a Declarative Approach from Semantics of Business Vocabulary and Rules (SBVR) Models (FRGS/1/2018/ICT01/UP NM/ 03/1)	• Dr. Nurulhuda Abdul Manaf (Principal) • Prof. Dr. Daud Mohamad • Prof. Dr. Fatimah Dato' Ahmad • **Dr. Muslihah Wook** • Dr. Nur Amalina binti Jamaludin	2018	RM 55,000.00	Completed
9.	Data Quality Assessment in Big Data Analytics Application Based on PLS- Adaptive Neuro-Fuzzy Inference (UPNM/2018/GPJP/2/TK /5)	• **Dr. Muslihah Wook (Principal)** • Dr. Siti Rohaidah Ahmad • Dr. Nurhafizah Moziyana Mohd Yusop • Dr. Mohd Fahmi Mohamad Amran • Prof. Dr. Fatimah Dato' Ahmad	2018	RM 20,000.00	Completed
10.	A Hybrid Feature Selection for Sentiment Analysis in Propaganda Issues Using Swarm Algorithm (UPNM/2018/GPJP/2/T K/4)	• Dr. Siti Rohaidah Ahmad (Principal) • Prof. Dr. Abdul Ghapor Hussin • Dr. Nurhafizah Moziyana Mohd Yusop • **Dr. Muslihah Wook** • Pn. Suhaila Ismail	2018	RM 20,000.00	Completed

11.	Improvement On Rehabilitation Process for Parkinson Patient Using Exergames (Exercise Game) (UPNM/2018/GPJP/TK/1)	• Dr. Nurhafizah Moziyana Mohd Yusop (Principal) • Dr. Mohd Fahmi bin Mohamad Amran • Pn. Yuhanim Hani binti Yahaya • **Dr. Muslihah Wook** • Dr. Arniyati Ahmad • Dr. Noor Afiza Mat Razali	2018	RM 20,000.00	Completed
12.	The Effectiveness of Electroencephalogram-Neurofeedback (EEG-NF) for Measuring Peak Performance Military Training (UPNM/2018/GPJP/TK/2)	• Prof. Emeritus Dato' Dr. Tengku Mohd Tengku Sembok (Principal) • Dato' Mohamad Akhtar Ahmad Zainudin • Dr. Nurhafizah Moziyana Mohd Yusop • Dr. Mohd Fahmi Mohamad Amran • **Dr. Muslihah Wook** • Pn. Yuhanim Hani Yahaya	2018	RM 20,000.00	Completed
13.	Promoting Building Energy Saver With Mobile Technology (UPNM/2016/GPJP/5/TK/1)	• Dr. Arniyati Ahmad (Principal) • Dr. Nor Azliana Akmal Jamaludin • Dr. Zuraini Zainol • Muhammad Rahimi Abdul Aziz • Dr. Nor Fatimah Awang • **Dr. Muslihah Wook** • Dr. Nurhafizah Moziyana Mohd Yusop	2016	RM 20,000.00	Completed
14.	Career Guidance Decision Support Systems (University Grant)	• Fazillah Mohd Kamal (Principal) • Mohd Noor Abd Hamid • **Muslihah Wook**	2007	RM 5,000.00	Completed

No.	Authors, year, title, publisher/journal, volume and number of pages (Please bold your name)	Type of Journal • WoS • SCOPUS • Peer-Reviewed
	Development of Electronic Notes for Managerial Mathematics Course (University Grant)	(row 15 continued below)

15.	Development of Electronic Notes for Managerial Mathematics Course (University Grant)	• Mohd Noor Abd Hamid (Principal) • **Muslihah Wook** • Fazillah binti Mohd Kamal	2005	RM 5,000.00	Completed

2.2 Publications

2.2.1 Academic Journal

(Please list in chronological order and state: authors, year, title, publisher/journal, volume and number of pages (Please bold your name)

No.	Authors, year, title, publisher/journal, volume and number of pages (Please bold your name)	Type of Journal • WoS • SCOPUS • Peer-Reviewed
1.	Noor Afiza Mat Razali, Nur Atiqah Malizan, Nor Asiakin Hasbullah, **Muslihah Wook,** Norulzahrah Mohd Zainudin, Khairul Khalil Ishak, Suzaimah Ramli, Sazali Sukardi **(2023)**. Political Security Threat Prediction Framework Using Hybrid Lexicon-Based Approach and Machine Learning Technique, *IEEE Access*, Vol. 11, pp. 17151-17164.	WoS Scopus Q1
2.	Normaizeerah Mohd Noor, Noor Afiza Mat Razali, Sharifah Nabila S Azli Sham, Khairul Khalil Ishak, **Muslihah Wook**, Nor Asiakin Hasbullah **(2023)**. Decentralised Access Control Framework using Blockchain: Smart Farming Case, *International Journal of Advanced Computer Science and Applications (IJACSA)*, 14(5), pp. 566-579.	WoS Scopus Q3
3.	Tuan Khalisah Tan Zizi, Suzaimah Ramli, **Muslihah Wook**, Mohd Afizi Mohd Shukran **(2023)**. Optical Flow-Based Algorithm Analysis to Detect Human Emotion from Eye Movement-Image Data, *Journal of Image and Graphics*, Vol. 11, Issue 1, pp. 53-60.	Scopus Q2
4.	Irma Syarlina Che Alias, Suzaimah Ramli, **Muslihah Wook**, Nor Asiakin Hasbullah **(2023)**. An Integrated Model of Online Users' Behaviour Towards Image Use in Social Media, *ZULFAQAR Journal of Science, Engineering & Technology (JDSET)*, Vol. 6, Issue 2, pp. 149-161.	Peer-Reviewed (Google Scholar)
5.	Tuan Khalisah Tan Zizi, Tuan Zizi, Suzaimah Ramli, **Muslihah Wook (2023)**. A Review of Classification Techniques for The Prediction of Human Emotion Through Heart Rate and Eye Movement, ZULFAQAR Journal of Science, Engineering & Technology (JDSET), Vol. 6, Issue 2, pp. 199-207.	Peer-Reviewed (Google Scholar)
6.	Muhammad Hakiem Halim, **Muslihah Wook***, Nor Asiakin Hasbullah, Noor Afiza Mat Razali, Hasmeda Erna Che Hamid **(2022)**. Comparative Assessment of Data Mining Techniques for Flash Flood Prediction, *International Journal of Advances in Soft Computing and Its Applications*, Vol. 14, Issue 1, pp. 125-145.	Scopus Q4

7.	Muhammad Hakiem Halim, **Muslihah Wook***, Noor Afiza Mat Razali, Nor Asiakin Hasbullah, Hasmeda Erna Che Hamid **(2022)**. Flash Flood Prediction in Selangor Using Data Mining Techniques, *ZULFAQAR Journal of Science, Engineering & Technology (JDSET)*, Vol. 5, Issue 2, pp. 149-161.	Peer-Reviewed (Google Scholar)
8.	Norulzahrah Mohd Zainudin, Nor Asiakin Hasbullah, **Muslihah Wook**, Suzaimah Ramli, Noor Afiza Mat Razali **(2022)**. Digital Forensic Readiness for Cyber Security Practitioners: An Integrated Model, *Journal of Positive School Psychology*, Vol. 6, Issue 3, pp. 8423-8433.	Scopus Q2
9.	Suzaimah Ramli, Khairani Abd Majid, Noor Afiza Mat Razali, **Muslihah Wook**, Nurulzahrah Mohd Zainudin, Farith Aminuallah Anwar Zulkifli, Slamet Riyadi **(2022)**. Electrical energy monitoring system for solar panel, *ZULFAQAR Journal of Science, Engineering & Technology (JDSET)*, Vol. 5, Issue 1, pp. 20-26.	Peer-Reviewed (Google Scholar)
10.	Normaizeerah Mohd Noor, Noor Afiza Mat Razali, Nur Atiqah Malizan, Khairul Khalil Ishak, **Muslihah Wook,** Nor Asiakin Hasbullah **(2022)**. Decentralized Access Control using Blockchain Technology for Application in Smart Farming. *International Journal of Advanced Computer Science and Applications (IJACSA)*, 13(9), pp. 788-802.	WoS Scopus Q3
11.	Irma Syarlina Che Ilias, Suzaimah Ramli, **Muslihah Wook,** Nor Asiakin Hasbullah **(2022)**. Factors Influencing Users' Satisfaction Towards Image Use in Social Media: A PLS-SEM Analysis. *International Journal of Interactive Mobile Technologies (iJIM)*, 16(15), pp. 172-186.	Scopus Q3
12.	Tuan Khalisah Tan Zizi @ Tuan Zizi, Suzaimah Ramli, **Muslihah Wook,** Mohd 'Afizi Mohd Shukran **(2022)**. Optical Flow-based Algorithm Analysis to Detect Human Emotion from Eye Movement-Image Data. *Journal of Image and Graphics*, 9(4), pp. 1-9.	Scopus
13.	Noor Afiza Mat Razali, Norjannatul Jannah Aqilah Md Saad, **Muslihah Wook**, Nor Asiakin Hasbullah, Normaizeerah Mohd Noor, Khairul Khalil Ishak **(2022)**. Fear Assessment in Information Security Dialog Box based on Hybrid Kansei Engineering and KJ Method. *International Journal of Affective Engineering*, 21(1), pp. 23-32.	Peer-Reviewed
14.	Irma Syarlina Che Ilias, Suzaimah Ramli, **Muslihah Wook**, Nor Asiakin Hasbullahi **(2021)**. How Popular is Social Media Image Gratification as a Research Theme in Top Journals?, *Malaysian Journal of Computer Science*, pp. 75-84.	Scopus Q3
15.	Zam Zarina Abdul Jabar, **Muslihah Wook**, Omar Zakaria, Suzaimah Ramli, Noor Afiza Mat Razali **(2021)**. Establishment of Big Data Analytics Application Model for Malaysian Public Sector: An Expert Validation, *EDPACS*, Vol. 65, Issue 4, pp. 1-20.	Scopus Q4
16.	Noor Afiza Mat Razali, Nur Atiqah Malizan, Nor Asiakin Hasbullah, **Muslihah Wook**, Norulzahrah Mohd Zainuddin, Khairul Khalil Ishak, Suzaimah Ramli, Sazali Sukard **(2021)**. Opinion Mining for National Security: Techniques, Domain Applications, Challenges and Research Opportunities, *Journal of Big Data*, Vol. 8, Issue 1, pp. 1-46.	WoS Scopus Q1
17.	**Muslihah Wook***, Nor Asiakin Hasbullah, Norulzahrah Mohd Zainudin, Zam Zarina Abdul Jabar, Suzaimah Ramli, Noor Afza Mat Razali, Nurhafzah Moziyana Mohd Yusop **(2021)**. Exploring Big Data Traits and Data Quality Dimensions for Big Data Analytics Application using Partial Least Squares Structural Equation Modelling, *Journal of Big Data*, Vol. 8, Issue 49, pp. 1 – 15.	WoS Scopus Q1

18.	Noor Afiza Mat Razali, Wan Nurhidayat Wan Muhamad, Khairul Khalil Ishak, Nurjannatul Jannah Aqilah M. Saad, **Muslihah Wook**, Suzaimah Ramli **(2021)**. Secure Blockchain-Based Data-Sharing Model and Adoption among Intelligence Communities*, IAENG International Journal of Computer Science*, Vol. 48, Issue 1.	Scopus Q2
19.	**Muslihah Wook***, Noor Afiza Mat Razali, Suzaimah Ramli, Norshahriah Abdul Wahab, Nor Asiakin Hasbullah, Norulzahrah Mohd Zainudin, Muhamad Lazim Talib **(2020)**. Opinion Mining Technique for Developing Student Feedback Analysis System using Lexicon-Based Approach (OMFeedback), *Education and Information Technologies*, Vol. 25, pp. 2549 – 2560.	WoS Scopus Q1
20.	**Muslihah Wook***, Zam Zarina Abdul Jabar, Muhammad Hakiem Halim, Noor Afiza Mat Razali, Suzaimah Ramli, Nor Asiakin Hasbullah, Norulzahrah Mohd Zainudin **(2020)**. Big Data Analytics Application Model Based on Data Quality Dimensions and Big Data Traits in Public Sector, *International Journal of Advanced Trends in Computer Science and Engineering* (IJATCSE), Vol. 9, Issue 2, pp. 1247 – 1256.	Scopus Q4
21.	**Muslihah Wook***, Sharmelen Vasanthan, Suzaimah Ramli, Noor Afiza Mat Razali, Nor Asiakin Hasbullah, Norulzahrah Mohd Zainudin **(2020)**. Exploring Students' Feedback in Online Assessment System Using Opinion Mining Technique, *International Journal of Information and Education Technology* (IJIET), Vol. 10, Issue 9, pp. 664 – 668	Scopus
22.	Noor Afiza Mat Razali, Nuraini Shamsaimon, **Muslihah Wook,** Khairul Khalil Ishak **(2020)**. Conceptual Model for Connected Vehicles Safety and Security using Big Data Analytics, *International Journal of Advanced Computer Science and Applications* (IJACSA)*,* 11(11), pp. 281 – 290	WoS Scopus Q3
23.	Wan Nurhidayat Wan Muhamad, Noor Afiza Mat Razali, **Muslihah Wook,** Khairul Khalil Ishak, Norulzahrah Mohd Zainudin, Nor Asiakin Hasbullah, Suzaimah Ramli **(2020)**. Evaluation of Blockchain-based Data Sharing Acceptance among Intelligence Community, *International Journal of Advanced Computer Science and Applications* (IJACSA), 11(12), pp. 597 – 606	WoS Scopus Q3
24.	Suzaimah Ramli, **Muslihah Wook**, Aminulhaq Ghazali, Roziyah Ahmad, Norulzahrah Mohd Zainudin, Noor Afiza Mat Razali **(2020)**. Correlation between Military Character Strengths and Leaders of Character in Software Development Process among Computer Science Students, *International Journal of Information and Education Technology* (IJIET), Vol. 10, Issue 10, pp. 664 – 668	Scopus
25.	Hasmeda Erna Che Hamid, Nurjannatul Jannah Aqilah Md Saad, Noor Afiza Mat Razali, **Muslihah Wook**, Mohammad Adib Khairuddin, Mohd Nazri Ismail **(2020)**. Classification of Remote Sensor Data for Flood Disaster Forecasting using Data Mining Hybrid Techniques: A Proposed Model. *Journal of Engineering and Applied Sciences*, Vol. 15, pp. 2542-2548. https://medwelljournals.com/abstract/?doi=jeasci.2020.2542.2548	Scopus
26.	**Muslihah Wook***, Suhaila Ismail, Nurhafizah Moziyana Mohd Yusop, Siti Rohaidah Ahmad, Arniyati Ahmad **(2019)**. Identifying Priority Antecedents of Educational Data Mining Acceptance using Importance-Performance Matrix Analysis. *Education and Information Technologies*, Springer US, Vol. 24, Issue 2, pp. 1741–1752, ISSN: 1360-2357	WoS Scopus Q1
27.	Siti Rohaidah Ahmad, Azuraliza Abu Bakar, Mohd Ridzuan Yaakub, Nurhafizah Moziyana Mohd Yusop, **Muslihah Wook,** Arniyati Ahmad **(2018)**. Product Feature Ranking and Popularity Model Based on Sentiment Comments. *International Journal*	WoS Scopus Q3

No.		Level
	of Advanced Computer Science and Applications (IJACSA), Vol. 9, Issue 9, pp. 152–157	
28.	Yuhanim Hani Yahaya, Nurhafizah Moziyana Mohd Yusop, Mohd Fahmi Mohamad Amran, **Muslihah Wook,** Norshahriah Wahab **(2018)**. Electroencephalogram-Based Controlled Robot as an Attention Level Indicator. *International Journal of Engineering & Technology*, Vol. 7, Issue 4.33, pp. 430–432	Scopus Q4
29.	NurJannatul Jannah Aqilah Md Saad, Mat Razali Noor Afiza, **Muslihah Wook**, Khairul Khalil Ishak, Hasmeda Erna Che Hamid, Nor Asiakin Hasbullah, Norshahriah Wahab, Norulzahrah Mohd Zainudin, Suzaimah Ramli, Mohd Fahmi Mohamad Amran **(2018)**. Kansei Engineering Approach for Measuring Political Propaganda: A Case of Malaysia. *International Journal of Engineering & Technology*, Vol. 7, Issue 4.29, pp. 31-35	Scopus Q4
30.	**Muslihah Wook***, Zawiyah M. Yusof, Mohd Zakree Ahmad Nazri **(2017)**. Educational Data Mining Acceptance among Undergraduate Students. *Education and Information Technologies,* Springer US, 22(3): 1195 – 1216, ISSN: 1360-2357	WoS Scopus Q1
31.	**Muslihah Wook***, Zawiyah M. Yusof, Mohd Zakree Ahmad Nazri **(2015)**. The Acceptance of Educational Data Mining Technology among Students in Public Institutions of Higher Learning in Malaysia. *Journal of Future Computer and Communication*, Vol. 4, Issue 2, pp. 112-117, ISSN: 2010-3751	Peer-Reviewed
32.	**Muslihah Wook***, Zawiyah M. Yusof, Mohd Zakree Ahmad Nazri **(2014)**. Data Mining Technology Adoption in Institutions of Higher Learning: A Conceptual Framework Incorporating Technology Readiness Index Model and Technology Acceptance Model 3. *Journal of Applied Sciences*, Vol. 14, Issue 18, pp. 2129-2138, ISSN: 1812-5654	Scopus Q4

2.2.2 Book/Chapter in Book:

(Please list in chronological order and state: authors, year, title, publisher/conference, volume and number of pages (Please bold your name)

No.	Authors, year, title, publisher, volume and number of pages (Please bold your name)	Level • **International** • **National** • **University**
1.	Irma Syarlina Che Ilias, Suzaimah Ramli, **Muslihah Wook** and Nor Asiakin Hasbullah **(2021)**. Technology Adoption Models: Users' Online Social Media Behavior Towards Visual Information. In *Lecture Notes in Electrical Engineering* (Issue 724, pp. 15–26). Springer.	International **(Scopus)**
2.	Noor Afiza Mat Razali, Khairul Khalil Ishak, Nurjannatul Jannah Aqilah MdSaad, **Muslihah Wook** and Suzaimah Ramli **(2020)**. The Assessment of Trust in Information Security using Kansei. In: Shoji H. et al. (eds) Proceedings of the 8th International Conference on Kansei Engineering and Emotion Research. KEER 2020. Advances in Intelligent Systems and Computing, vol 1256. Springer, Singapore. https://doi.org/10.1007/978-981-15-7801-4_20	International **(Scopus)**
3.	Hasmeda Erna Che Hamid, Nurjannatul Jannah Aqilah MSaad, Noor Afiza Mat Razali, Mohammad Adib Khairuddin, Mohd Nazri Ismail, Suzaimah Ramli, **Muslihah Wook**, Khairul Khalil Ishak, Zurida Ishak, Nor Asiakin Hasbullah,	International **(Scopus)**

	Norshahriah Wahab, Norulzahrah Mohd Zainudin, Putri Nurshamiera Natasha Azizan Shah **(2019)**, Disaster Management Support Model for Malaysia. In: Badioze Zaman H. et al. (eds) Advances in Visual Informatics. IVIC 2019. Lecture Notes in Computer Science, vol 11870. Springer, Cham. https://link-springer-com.libproxy.upnm.edu.my/chapter/10.1007/978-3-030-34032-2_50	
4.	Ahmad Nazren Hakimi, Suzaimah Ramli, **Muslihah Wook**, Norulzahrah Mohd Zainudin, Nor Asiakin Hasbullah, Norshahriah Abdul Wahab et al., (**2019**), Identifying Fake Account in Facebook Using Machine Learning, In: Badioze Zaman H. et al. (eds) Advances in Visual Informatics. IVIC 2019. Lecture Notes in Computer Science, vol 11870. Springer, Cham	International (**Scopus**)
5.	Wan Nurhidayat Wan Muhamad, Noor Afiza Mat Razali, Khairul Khalil Ishak, Nor Asiakin Hasbullah, Norulzahrah Mohd Zainudin, Suzaimah Ramli, **Muslihah Wook**, Zurida Ishak, Nurjannatul Jannah Aqilah MSaad, (**2019**), Enhance Multi-factor Authentication Model for Intelligence Community Access to Critical Surveillance Data, In: Badioze Zaman H. et al. (eds) Advances in Visual Informatics. IVIC (2019). Lecture Notes in Computer Science, vol 11870. Springer, Cham	International (**Scopus**)

2.2.3 Proceeding Articles:

(Please list in chronological order and state: authors, year, title, publisher/conference, volume and number of pages (Please bold your name)

No.	Authors, year, title, publisher/conference, volume and number of pages (Please bold your name)	Level • **International** • **National** • **University**
1.	Iksan Tamrin, Mohd Rizal Mohd Isa, **Muslihah Wook***, Arniyati Ahmad, Sharifah Aishah Syed Ali **(2023)**. *Factor Affecting Malaysia Public Universities IT Staffs' Work from Home Using Principal Component Analysis*, The 1st 2023 Software & Technologies, Visual Informatics & Applications (SOTVIA) Conference, Almaty, Kazakhstan.	International
2.	Liyana Safra Zaabar, Noor Afiza Mat Razali, Khairul Khalil Ishak, **Muslihah Wook**, Nor Asiakin Abdullah **(2023)**. *A Review on Deep Learning Approaches and Optimization Techniques for Political Security Threat Prediction*, The 1st 2023 Software & Technologies, Visual Informatics & Applications (SOTVIA) Conference, Almaty, Kazakhstan.	International
3.	Nor Asiakin Hasbullah, Norulzahrah Mohd Zainudin, Noor Afiza Mat Razali, **Muslihah Wook**, Suzaimah Ramli, Muhammad Fareez Aiman Mohd Fadzil **(2023)**. *Staying Safe Online: Security Measures by University Students to Secure Privacy*. 11th International Conference on Information and Education Technology, 572-576.	International
4.	Nor Asiakin Hasbullah, **Muslihah Wook**, Noor Afiza Mat Razali, Norulzahrah Mohd Zainudin and Suzaimah Ramli **(2021)**. *Review on Fake News in Malaysia during the Movement Control Order (MCO) from the Ethics in ICT Perspective*. 9th International Conference on Information and Education Technology	International

	(ICIET), 461–465. https://doi.org/10.1109/iciet51873.2021.9419657	
5.	Norulzahrah M Zainudin, Nor Asiakin Hasbullah, **Muslihah Wook**, Suzaimah Ramli, Noor Afiza Mat Razali **(2021)**. *Online Social Networks as Supporting Evidence for Digital Forensic Investigation: A Revised Model*. 11th Annual International Conference on Industrial Engineering and Operations Management Singapore, 5338-5348	International
6.	Noor Afiza Mat Razali, Khairul Khalil Ishak, Nurjannatul Jannah Aqilah MdSaad, **Muslihah Wook** and Suzaimah Ramli **(2020)**, *The Assessment of Trust in Information Security Using Kansei. Proceedings of the 8th* International Conference on Kansei Engineering and Emotion Research. KEER 2020*. Advances in Intelligent Systems and Computing*, pp. 194 – 220, Springer	International
7.	Yuhanim Hani Yahaya, Nurhafizah Moziyana Mohd Yusop, Mohd Fahmi Mohamad Amran, **Muslihah Wook** and Norshahriah Wahab **(2018)**. *Electroencephalogram-based controlled robot as an attention level indicator*. Paper presented at the 4th International Conference on Defence & Security Technology (DSTC) 2018, Putrajaya, Malaysia	International
8.	Nurhafizah Moziyana Mohd Yusop, Mohammad Khatim Hasan, **Muslihah Wook**, Mohd Fahmi Mohamad Amran and Siti Rohaidah Ahmad **(2017)**. *A new euler scheme based on harmonic-polygon approach for solving first order ordinary differential equation*. Paper presented at the International Conference on Applied Science and Technology, 3 – 5 April 2017, Langkawi, Malaysia	International
9.	**Muslihah Wook***, Zawiyah M. Yusof, Mohd Zakree Ahmad Nazri **(2015)**. *The acceptance of educational data mining technology among students in public institutions of higher learning in Malaysia*. Paper presented at the 4th International Conference on Network and Computer Science, 15 – 16 January 2015, Portsmouth, UK	International
10.	**Muslihah Wook* (2014)**. *Model penerimaan aplikasi teknologi perlombongan data dalam kalangan pelajar institusi pengajian tinggi di Malaysia*. Paper presented at the Softam Postgraduate Seminar, 20 – 21 October 2014, FTSM, UKM, Malaysia	University
11.	**Muslihah Wook***, Zawiyah M. Yusof, Mohd Zakree Ahmad Nazri **(2013)**. *Preliminary overview of data mining technology for knowledge management system in institutions of higher learning*. Paper presented at the International Conference on Knowledge Management, 7(2), 668-672, 14 – 15 February 2013, Kuala Lumpur, Malaysia	International
12.	**Muslihah Wook*** and Siti Rohaidah Ahmad **(2011)**. *Knowledge discovery process model for educational environment: hybrid mode*l. Paper presented at the 3rd International Conference on Computer Engineering and Technology (ICCET2011), 17 – 19 June 2011, Kuala Lumpur, Malaysia	International
13.	Siti Rohaidah Ahmad, Arniyati Ahmad, Nazatul Naquiah Ahba Abd Hamid, Mohd Sharif Ab Rajab, Nor Fatimah Awang, **Muslihah Wook (2011)**. *Development of a single honeypot system interface*. Paper presented at the International Conference on Computing and Informatics (ICOCI) 2011, 8–9 June 2011, Bandung, Indonesia	International

14.	Muhammad Lazim Talib, Norshahriah Wahab and **Muslihah Wook (2010)**. *The Importance of TALIB System using Computer Controlled for Visual Impaired Community*. Paper presented at the International Sysmposium on Information Technology (ITSIM'10), pg 936, ISBN 978-1-4244-6717-4, 15 – 17 June 2010, KLCC, Malaysia	International
15.	**Muslihah Wook***, Norshahriah Wahab, Suhaila Ismail, Muhamad Lazim Talib, Muhammad Adib Md Roduan **(2010)**. *Using Barcode Technology at Weapons Storage*. Paper presented at the Faculty of Defence Science and Technology Colloquium, NDUM, 18 December 2010	University
16.	**Muslihah Wook***, Norshahriah Wahab, Nor Fatimah Awang, Yuhanim Hani Yahaya, Mohd Rizal Mohd Isa and Hoo Yann Seong **(2009)**. *Predicting NDUM students' academic performance using data mining techniques*. Paper presented at the 2nd International Conference on Computer and Electrical Engineering (ICCEE 2009), pg 357-361, ISBN 978-0-7695-3925-6, 28 – 30 December 2009, Dubai UAE	International
17.	Mohd Noor Abdul Hamid, Fadzillah Mohd Kamal and **Muslihah Wook (2007)**. *Career Guidance Decision Support System (CareGuiDess)*. Paper presented at the Teaching & Learning Monograph of Public Higher Education Institutions, Kuala Lumpur, Malaysia	International
18.	Fazillah Mohd Kamal, Mohd Noor Abdul Hamid and **Muslihah Wook (2005)**. *Development of e-Notes for Managerial Mathematics*. Poster presented at the 3rd International Seminar on Learning and Motivation, 10 September 2005, Langkawi, Malaysia	International

2.3 Presentation:

(Please list in chronological order)

No.	Event	Title of Paper Presented	Role (Keynote Speaker / Invited Speaker / Presenter)	Date	Organizer
1.	Week Without Wall (WWW)	Unleashing the Power: Exploring The Synergy of Artificial Intelligence and Machine Learning in Big Data Analytics	Invited Speaker	13th June 2023	Kolej Pengajian Pengkomputeran Informatik dan Media (KPPIM), UiTM Cawangan Melaka Kampus Jasin

2.	33rd International Invention Innovation& Technology Exhibition (ITEX2022)	Opinion Mining Framework Using Hybrid Lexicon-Based Approach and Machine Learning for Predicting Political Security Threats	Presenter at KLCC Exhibition Hall	26th – 27th May 2022	Malaysian Invention and Design Society
3.	33rd International Invention Innovation& Technology Exhibition (ITEX2022)	Smart Mobility management System for Disaster	Presenter at KLCC Exhibition Hall	26th – 27th May 2022	Malaysian Invention and Design Society
4.	33rd International Invention Innovation& Technology Exhibition (ITEX2022)	Disaster Management System	Presenter at KLCC Exhibition Hall	26th – 27th May 2022	Malaysian Invention and Design Society
5.	2020 9th International Conference on Educational and Information Technology (ICEIT 2020)	Exploring Students' Feedback in Online Assessment System using Opinion Mining Technique	Presenter at St Anne's College, University of Oxford, United Kingdom	11 – 13 February 2020	University of Oxford, United Kingdom
6.	Defence, Security and Sustainability 2019 (DSS 2019) Exhibition National Defence University of Malaysia	Opinion Mining Technique for Student Feedback Analysis Using Lexicon Based Approach	Presenter at DSS 2019 Exhibition Hall	29th April 2019	National Defence University of Malaysia
7.	4th International Conference on Network and Computer Science (ICNCS 2015)	The acceptance of educational data mining technology among students in public institutions of higher learning in Malaysia	Presenter	15 – 16 January 2015	American Society for Research, University of Portsmouth, United Kingdom
8.	Softam Postgraduate Seminar	Model penerimaan aplikasi teknologi perlombongan data dalam kalangan pelajar institusi pengajian tinggi di Malaysia	Presenter	20 – 21 October 2014	Faculty of Information Science and Technology, Universiti Kebangsaan Malaysia

9.	International Conference on Knowledge Management (ICKM 2013)	Preliminary overview of data mining technology for knowledge management system in institutions of higher learning	Presenter	14 – 15 February 2013,	World Academy of Science, Engineering and Technology, Kuala Lumpur, Malaysia
10.	3rd International Conference on Computer Engineering and Technology (ICCET2011)	Knowledge discovery process model for educational environment: hybrid model	Presenter	17 – 19 June 2011	International Association of Computer Science and Information Technology (IACSIT), Kuala Lumpur, Malaysia
11.	Faculty of Defence Science and Technology Colloquium	Using barcode technology at weapons storage	Presenter	18 December 2010	Universiti Pertahanan Nasional Malaysia
12.	2nd International Conference on Computer and Electrical Engineering (ICCEE 2009)	Predicting NDUM students' academic performance using data mining techniques	Presenter	28 – 30 December 2009	Institute of Electrical and Electronics Engineers (IEEE), Dubai, UAE

2.4 Copyright/Pattern:

(Please list in chronological order)

No	Title	Researchers	File No.	Notification Date
1.	Big Data Analytics Application Model in the Malaysian Public Sector (Conceptual Model)	Zam Zarina Abdul Jabar, **Muslihah Wook**, Omar Zakaria, Suzaimah Ramli, Noor Afiza Mat Razali	CRLY2022W06058	20 December 2022
2.	Flash Flood Prediction System Using Decision Tree Algorithm	**Muslihah Wook**, Khairul Irfan Khir Junaidi, Muhammad Hakiem Halim, Noor Afiza Mat Razali, Nor Asiakin Hasbullah, Suzaimah Ramli, Norulzahrah Mohd Zainudin, Hasmeda Erna Che Hamid	CRLY2022W02401	29 June 2022
3.	Survey Form Image-Centered Model for The Gratification of Social Media	Irma Syarlina Che Illias, Suzaimah Ramli, **Muslihah Wook**, Nor Asiakin Hasbullah	CRLY2022W02600	7 July 2022

	Users Behavior Among Educational Institution Students			
4.	Image-Centered Model for The Gratification of Social Media Users' Behaviour among Educational Institution Students – Survey Form	Irma Syarlina Che Illias, Suzaimah Ramli, **Muslihah Wook**, Nor Asiakin Hasbullah	CRAR2022W03299	15 August 2022
5.	A Research Model of Digital Forensic Readiness for Cyber security Practitioners	Norulzahrah Mohd Zainudin, Nor Asiakin Hasbullah, **Muslihah Wook**, Suzaimah Ramli, Noor Afiza Mat Razali	CRLY2022W02501	1 July 2022
6.	A Questionnaire of Digital Forensic Readiness for Cyber Security Practitioners	Norulzahrah Mohd Zainudin, Nor Asiakin Hasbullah, **Muslihah Wook**, Suzaimah Ramli, Noor Afiza Mat Razali	CRLY2022W02402	29 June 2022
7.	Donation System Module for Disaster Management	Noor Afiza Mat Razali, Khairul Khalil Ishak, Suzaimah Ramli, Nor Asiakin Hasbullah, Norulzahrah Mohd Zainudin, **Muslihah Wook**	CLY2021E02696	4 August 2021
8.	Personalised Smart Mobility Model for Smart Movement During Disaster in Smart City	Noor Afiza Mat Razali, Khairul Khalil Ishak, Noorjannahtul Aqilah Md Saad, Nuraini Shamsaimon, **Muslihah Wook,** Suzaimah Ramli	CRLY2021E02692	4 August 2021
9.	Algorithm for an Opinion Mining Technique for Students Feedback Analysis Using Lexicon-Based Approach (OMFEEDBACK SYSTEM)	**Muslihah Wook**, Sharmelen a/l Vasanthan, Suzaimah Ramli, Norulzahrah Mohd Zainudin, Nor Asiakin Hasbullah, Norshahriah Wahab, Noor Afiza Mat Razali	CLY2019004026	2 March 2020
10.	Fear Emotions Assessment Model in Information Security Dialogue Box Based on KANSEI Philosophy	Noor Afiza Mat Razali, Nurjannatul Janah Aqila Md Saad, Khairul Khalil Ishak, Suzaimah Ramli, Nor Asiakin Hasbullah, Norulzahrah Zainudin, **Muslihah Wook**	CLY00027277	8 Oct 2020
11.	Secured Blockchain Based Data Sharing Model for Intelligence Community	Noor Afiza Mat Razali, Noorjannahtul Aqilah Md Saad, Khairul Khalil Ishak, Suzaimah Ramli, Nor Asiakin Hasbullah, Norulzahrah Mohd Zainudin, **Muslihah Wook**	CLY2020005795	8 March 2020

12.	The Remote Wind Warning System on The Malaysian Highway	Suzaimah Ramli, Noor Afiza Mat Razali, Khairani Abd Majid, Nor Asiakin Hasbullah, Norulzahrah Mohd Zainudin, **Muslihah Wook**, Muhamad Azrol Nizam Abdul Latif	CLY2020005793	8 Jan 2020
13.	Kansei Checklist for Fear Emotion Assessment Information Security Design	Noor Afiza Mat Razali, Noorjannahtul Aqilah Md Saad, Khairul Khalil Ishak, Suzaimah Ramli, Nor Asiakin Hasbullah, Norulzahrah Mohd Zainudin, **Muslihah Wook**	CLY00027210	18 November 2020

2.5 MOOC:

(Please list in chronological order)

No.	Title	Position	Year
1.	Massive Open Online Course (MOOC) for Artificial Intelligence	Developer	2018
2.	Massive Open Online Course (MOOC) for Virtual Reality and Visualization	Developer	2017

3.0 ACADEMIC RECOGNITION AND LEADERSHIP, CONSULTANCY, SERVICE TO THE UNIVERSITY AND SERVICE TO THE COMMUNITY

3.1 Academic Recognition and Leadership

Academic recognition and leadership such as Academic Award, Academic Assessor/ /Promotion Assessor (External), Visiting Professor/Fellowship, Editorial Board and other academic recognition.

No.	Academic Recognition	Year	Level	Awarding Body / Name of Institution
1.	Guest Editor: Special Issue Journal of Science and Technology – Innovating for a Sustainable Future Towards Digital Science, Technology, and Society	2023	International	Pertanika Journal of Science and Technology, UPM
2.	Journal Reviewer: Journal of Big data (WoS/Scopus Q1)	2023	International	The Editorial Office, Journal of Big Data, Springer Nature. Editor-in-Chief: Prof. Dr. Borko Furht
3.	Journal Reviewer: Technological Forecasting	2023	International	The Editor of Technological Forecasting and Social

	and Social Change (WoS/Scopus Q1)			Change
4.	Virtual Innovation Competition 2023 - 4 Gold Medals - 2 Silver Medals - 1 Best Video (Tertiary-Science & Technology)	2023	International	Digit360, Digital Information Interest Group (Digit), and College of Computing, Informatics, and Media, Universiti Teknologi Mara Kelantan Branch
5.	ITEX 2022 - 1 Gold Medal - 2 Silver Medals	2022	International	33rd International Invention, Innovation & Technology Exhibition 2022
6.	DSS 2022 - 3 Gold Medals	2022	International	Defence. Security and Sustainability 2019 Exhibition, National Defence University of Malaysia
7.	PECIPTA - 1 Silver Medal	2022	International	Persidangan dan Expo Ciptaan Institusi Pengajian Tinggi Antarabangsa
8.	Journal Reviewer: Journal of Big data (WoS/Scopus Q1)	2022	International	The Editorial Office Journal of Big Data, Springer Nature. Editor-in-Chief: Prof. Dr. Borko Furht
9.	International Journal of Software Engineering and Computer Systems.	2022	International	Universiti Malaysia Pahang
10.	Jurnal Personalia Pelajar	2022	University	Universiti Kebangsaan Malaysia
11.	Journal Reviewer: Asia-Pacific Journal of Information Technology and Multimedia	2022	International	Faculty of Information Science and Technology, Universiti Kebangsaan Malaysia Editor-in-Chief: Prof. Dr. Azuraliza Abu Bakar
12.	Technical Program Committee in The 4th International Conference on Innovation in Science and Technology	2022	International	Politeknik Negeri Semarang, Indonesia
13.	Sijil Prestasi Cemerlang	2022	University	Universiti Pertahanan Nasional Malaysia
14.	Anugerah Akademik Cemerlang 2020 Kategori: Anugerah Penyeliaan Projek Sarjana Muda (Sarjana Muda Sains Komputer (Sistem Cerdas))	2021	University	Leftenan Jeneral Dato' Hasagaya bin Abdullah, Naib Canselor, Universiti Pertahanan Nasional Malaysia
15.	Sijil Prestasi Cemerlang	2021	University	Leftenan Jeneral Dato' Hasagaya bin Abdullah, Naib Canselor, Universiti

				Pertahanan Nasional Malaysia
16.	Journal Reviewer: Journal of Information and Communication Technology (Scopus Q3)	2021	International	Universiti Utara Malaysia
17.	Conference Reviewer: Asian Conference on Intelligent Computing and Data Sciences (ACIDS 2021)	2021	International	Universiti Malaysia Perlis and Universiti Utara Malaysia
18.	Conference Reviewer: 3rd International Conference of Information and Communication Technology Malaysia (ICICTM)	2021	International	Universiti Kuala Lumpur and Universiti Pertahanan Nasional Malaysia
19.	MCO (PKP) Publication Contest 3.0 – Bronze Award	2021	University	Prof. Ir. Dr. Hj. Norazman bin Mohamad Nor, Brigdier General (Retired), Deputy Vice-Chancellor (Research and Innovation)
20.	Anugerah Perkhidmatan Cemerlang	2020	University	Leftenan Jeneral Dato' Hasagaya bin Abdullah, Naib Canselor, Universiti Pertahanan Nasional Malaysia
21.	MCO (PKP) Publication Contest 2.0 – Bronze Award	2020	University	Prof. Ir. Dr. Hj. Norazman bin Mohamad Nor, Brigdier General (Retired), Deputy Vice-Chancellor (Research and Innovation)
22.	MCO (PKP) Publication Contest 1.0 – Bronze Award	2020	University	Prof. Ir. Dr. Hj. Norazman bin Mohamad Nor, Brigdier General (Retired), Deputy Vice-Chancellor (Research and Innovation)
23.	Journal Reviewer: Education and Information Technologies, Springer US (WoS/Scopus Q1)	2020	International	The Editorial Office Education and Information Technologies, Springer US. Editor-in-Chief: Prof. Dr. Arthur D. Tatnall
24.	Journal Reviewer: Asia-Pacific Journal of Information Technology and Multimedia	2020	International	Faculty of Information Science and Technology, Universiti Kebangsaan Malaysia Editor-in-Chief: Prof. Dr. Azuraliza Abu Bakar
25.	Sijil Prestasi Cemerlang	2019	University	Universiti Pertahanan Nasional Malaysia

26.	ITEX 2019 Silver Medal	2019	International	30th International Invention, Innovation & Technology Exhibition 2019
27.	DSS 2019 - 3 Silver Medals - 2 Bronze Medals	2019	International	Defence. Security and Sustainability 2019 Exhibition, National Defence University of Malaysia
28.	Journal Reviewer: Education and Information Technologies, Springer US (WoS/Scopus Q1)	2019	International	The Editorial Office Education and Information Technologies, Springer US. Editor-in-Chief: Prof. Dr. Arthur D. Tatnall
29.	Educator 4.0 Intensive Course Series 14/2018	2018	National	Prof. Dato' Dr. Mohamed Amin Embi, Project Leader & Main Instructor of Educator 4.0 Programme
30.	Content Developer: Massive Open Online Course (MOOCs) for Artificial Intelligence Course	2018	University	Prof. Dr. Abdul ghapor bin Hussin, Director, Center of Academic Development, National Defence University of Malaysia
31.	Advisor/Mentor for "Lifestyle in Motion" Video Competition First Place Winner (RM 10,000.00)	2018	National	Alamanda Shopping Center, Putrajaya
32.	Journal Reviewer: Education and Information Technologies, Springer US (WoS/Scopus Q1)	2018	International	The Editorial Office Education and Information Technologies, Springer US. Editor-in-Chief: Prof. Dr. Arthur D. Tatnall
33.	Journal Reviewer: International Journal of Advanced Computer Science and Applications (WoS/Scopus Q4)	2018	International	The Science and Information (SAI) Organization Limited. Registered in England and Wales. Editor-in-Chief: Dr. Kohei Arai
34.	Conference Reviewer & Session Chair: 2nd International Conference on Information & Communication Technology	2018	International	Malaysian Institute of Information Technology, Universiti Kuala Lumpur Universiti Pertahanan Nasional Malaysia
35.	Conference Reviewer: International Conference on Humanities, Economy and Technology (ICHET)	2018	International	Director Academic Inspired Network
36.	Sijil Prestasi Cemerlang	2017	University	Universiti Pertahanan Nasional Malaysia

37.	Recipient of Research and Innovation Incentive Award – RM900.00	2017	University	Universiti Pertahanan Nasional Malaysia
38.	Journal Reviewer: Asia-Pacific Journal of Information Technology and Multimedia	2017	International	Faculty of Information Science and Technology, Universiti Kebangsaan Malaysia Editor-in-Chief: Prof. Dr. Zawiyah Mohammad Yusof
39.	Conference Reviewer: 5th International Visual Informatics Conference (IVIC'17) in Bangi, Malaysia	2017	International	Institute of Visual Informatics (IVI), Universiti Kebangsaan Malaysia
40.	Conference Reviewer: 10th International Conference on Information Technology in Asia (CITA`17)	2017	International	Faculty of Computer Science and Information Technology, Universiti Malaysia Sarawak
41.	Technical Committee: 8th International Conference on Computer Technologies and Development (ICCTD 2017)	2017	International	International Journal of Future Computer and Communication (IJFCC) Editorial Office, China
42.	Technical Committee: International Symposium on Computer Science and Intelligent Controls (ISCSIC 2017)	2017	International	International Academy of Science and Engineering for Development (IASED), Hong Kong
43.	Journal Reviewer: Education and Information Technologies, Springer US (ISI/Scopus Q1)	2016	International	The Editorial Office Education and Information Technologies, Springer US. Editor-in-Chief: Prof. Dr. Arthur D. Tatnall
44.	Team Advisor for Top 5 Finalist Team in Knowledge Discovery Challenge 2010	2010	National	SAS Malaysia & EON Bank Group
45.	Recipient of Excellent Service Performance Certificate	2006	University	Universiti Utara Malaysia

3.2 Consultancy work that benefited to the University.

(Please list in chronological order and state: title, year, sponsor, value and duration of consultancy)

No.	Title	Year	Sponsor	Value	Duration
1.	Konsultan Analisis Data Dyslexia di Aktif Otak	2023	-	-	2 years
2.	Konsultan Pembangunan Kandungan Pembelajaran SKBTHO 2	2021	-	-	2 years

3.3 Service to the University

Service to the university such as Vice Chancellor/Deputy Vice Chancellor/Dean/Director, Deputy Dean/Deputy Director/Unit Coordinator/Hostel Warden, Programme Chairperson/ Assistant Warden/Fellow. Representing University in Sports and Other Non-Academic Activities. Professional/Academic Association (Committee Member).
(Please list in chronological order and state: position/membership and duration)

No.	Position/Membership	Committee	Duration
1.	Programme Coordinator	Final Year Project – Department of Computer Science, Faculty of Defence Science and Technology, NDUM	1 August 2023 – 29 July 2025
2.	Member	Penyediaan Fail Pengajaran Kursus TST 3293 Kejuruteraan Perisian bagi Sesi Audit Pengawasan 4 Surveillance Visit oleh Pihak MQA	13 April 2023
3.	Coordinator	Research Methodology Course in Computer Science	18 June 2023
4.	Programme Coordinator	Postgraduate Programme (Research Mode) in FSTP	1 January 2021 – 31 December 2022
5.	Committee Member	e-Learning FSTP	1 Mac 2021 – 28 February 2023
6.	Executive Member	Centre for Teaching and Learning, UPNM	1 October 2021 – 30 September 2023
7.	Moderator	Postgraduate Colloquium and Proposal Defence	2021
8.	Panel of Assessors	Intellectual Property Application in FSTP	15 February 2022
9.	Coordinator	Research Methodology Course in Computer Science	5 April – 8 May 2021
10.	Panel of Assessors	Intellectual Property Application in FSTP	28 May 2021
11.	Committee Member	MQA02 Documentation for ZC00	3 May 2021 – 31 December 2021
12.	Academic Advisor	First Year Students (1TSI)	2020 – 2023
13.	Examiner	Postgraduate Colloquium and Proposal Defence	2021
14.	Moderator	Postgraduate Colloquium and Proposal Defence	2020
15.	Committee Member	New Programme of Diploma in Intelligence Science	7 December 2020
16.	Programme Coordinator	Postgraduate Programme in Computer Science	1 August 2020 – 31 December 2022

17.	Panel of Assessors	UPNM AAC Journal Books and Papers 2019	13 July 2020
18.	Secretary	Kursus *Gig Economy* Berasaskan *Web Application and Mobile Apps Development* Menggunakan Perisian Laravel	23 – 24 February 2019 2 – 3 March 2019
19.	Academic Advisor	Final Year Students (3TSK1)	2016 – 2019
20.	Committee Member	MQA02 Documentation	4 October 2017 – 3 October 2018
21.	Committee Member	National Defence University of Malaysia Academician Association (NADIMASA)	2018 - present
22.	Examiner	Postgraduate Colloquium	2017
23.	Advisor/ Mentor	F-Secure Intervarsity Cyber Security Competition Malaysia	2017
24.	Committee Member	Postgraduate Committee in Department of Computer Science	2018 – present
25.	Coordinator of e-Learning	Department of Computer Science	2018 – present
26.	Jury	Program Sarjana Muda Elektrik dan Elektronik Projek Capstone	15 May 2018
27.	Secretariat	Pameran di Karnival Pendidikan Tinggi Negara	4 – 5 March 2017
28.	Advisor/Mentor	Video Innovation Competition (ViC)	5 – 15 May 2016
29.	Committee Member	Kumpulan Kajian bagi Pembangunan Perisian di UPNM (Kluster Pengurusan Akademik)	14 April 2016
30.	Coordinator	Workshop on SAS Enterprise Guide	2010
31.	Examiner	Research Project in Universiti Pertahanan Nasional Malaysia – Cluster of Computer Science	2009

3.4 Service to the community

(Please list in chronological order)

No.	Organization	Role	Start Date	End Date	Level
1.	International Association of Engineers (IAENG)	Member (Membership No: 274834)	12 April 2023	present	International
2.	International Association of	Member	12 October	present	International

			2011		
	Computer Science and Information Technology (IACSIT)	(Membership No: 80343086)	2011		
3.	Universal Association of Computer & Electronics Engineers (UACEE)	Member (Membership No: AM1004661)	24 October 2013	present	International
4.	Persatuan Capaian Maklumat dan Pengurusan Pengetahuan (PECAMP)	Member	2009	present	National
5.	Program Pemindahan Ilmu: Ceramah Motivasi Sekolah Kebangsaan Paroi, Senawang, Negeri Sembilan	Committee Member	23 August 2023	22 September 2023	Primary School
6.	Sekolah Kebangsaan Mantin, Negeri Sembilan	Invited Speaker	11 April 2019	11 April 2019	Primary School
7.	Pusat Penyelidikan Pemantauan Ruang Informasi Strategik ATM (PP PRISMA)	Facilitator (Data Analysis Workshop)	6 February 2018	7 February 2018	Government Agency
8.	Carnival of Science, Technology, Engineering and Mathematics (STEM): Sekolah Menengah Taman Desa, Kuala Lumpur	Committee Member	9 October 2018	9 October 2018	Secondary School
9.	Sekolah Tahfiz Anak Yatim (STAY) ATM, Kuala Lumpur	Invited Speaker (Computer Literacy Workshop)	1 November 2017	1 November 2017	Secondary School
10.	5th International Visual Informatics Conference (IVIC'17)	Committee Member (Logistics)	13 March 2017	30 November 2017	International
11.	Robotics Club: Sekolah Kebangsaan Alam Damai, Cheras Kuala Lumpur	Committee Member (Promotion)	2017	2018	Primary School
12.	Robotics Club: Sekolah Kebangsaan Alam Damai, Cheras Kuala Lumpur	Committee Member (Promotion)	2017	2018	Primary School
13.	Persidangan Antarabangsa Capaian Maklumat dan Pengurusan Pengetahuan (CAMP'10)	Committee Member (Publication)	17 March 2010	18 March 2010	International
14.	Persatuan Capaian Maklumat dan Pengurusan Pengetahuan (PECAMP)	Treasurer	2009	2010	National