



UPNM
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Kewajipan • Maruah • Integriti

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CURRICULUM VITAE



I. PERSONAL PARTICULARS

Name	DR. SITI ROHAIDAH BINTI AHMAD
Current Position Faculty / Department	SENIOR LECTURER DS52 JABATAN SAINS KOMPUTER FAKULTI SAINS DAN TEKNOLOGI PERTAHANAN UNIVERSITI PERTAHANAN NASIONAL MALAYSIA

II. ACADEMIC AND PROFESSIONAL QUALIFICATIONS

Year	Degree	Discipline	University
1993	Diploma Computer Science	Computer Science	UTM
1995	B. Sc. Computer Science	Industrial Computing	UTM
2004	M. Sc. Information Technology	Information Science	UKM
2017	Doctor of Philosophy (PhD.)	Computer Science	UKM

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

No.	TITLES OF POSTGRADUATE THESES
1.	Particle Swarm Optimization (Pso) Approach For Feature Selection In Sentiment Analysis For Propaganda Issues.- Master (Graduated)
2	Optimization Algorithm on Drug Reviews in Social Media for Sentiment Analysis. PhD (On-going)

IV. WORK EXPERIENCE

Year	Position	Organisation	Start and End Date
April 1997- Ogos 2009	Penyelidik	<ol style="list-style-type: none"> Jaringan Pendidikan (1997) <ul style="list-style-type: none"> Development of webpage for Jaringan Pendidikan Smart Learning System (1998) <ul style="list-style-type: none"> Development of Module Editor Ujian Learning Management System (January 1999- Mei 2001) <ul style="list-style-type: none"> Designed of Specification for Test Generation Services (TGS) Development of Module Online Market Survey using Java Servlet Development of Module Interface For TGS Development of Module Lesson Editor Development of Prototype Assessment Management System for Lembaga Peperiksaan and Majlis Peperiksaan Malaysia. Development of Self-Paced Learning System (SPL) Designed of Integration between SPL and TGS 	April 1997-Ogos 2009

		<ul style="list-style-type: none"> • Writing Manual of Panduan Pengguna and Testing Procedure for SPL • Designed of internal/external testing for SPL Convert and Upgrade database for SPL from MS Access to Oracle 8i • Customize and Convert Module Lesson Editor form WebDBC to Java Servlet. • Designed of internal/external testing for TGS and Student Management System (SMS). <p>4. EDUWEB (May 2001- August 2001)</p> <ul style="list-style-type: none"> • Designed of E-R diagram for Learning Services • Designed of database for Learning Services <p>5. Product Development (September 2001 – July 2002)</p> <ul style="list-style-type: none"> • Development of Module Persediaan Ujian • Development of Module Take Courseware • Development of Module Take Exercise & Test based on Lesson by Lesson • Design of product specification, database design and system Kamilion product. <p>6. ESS (August 2002 – October 2002)</p> <ul style="list-style-type: none"> • Designed of ESS Specification documented: use case & sequence diagram. • Designed of ESS Business Requirement Specification (Training and Recruitment) • Designed of Kamilion Learning Services Documentation (System and Design Specification Documented). <p>7. CyberSpace Security Lab (May 2004 – December 2005)</p> <ul style="list-style-type: none"> • Research in data mining techniques for anomaly detection for cyber early warning system (CEWS) project. <p>8. Audit & Control System (January 2006 – December 2006)</p> <ul style="list-style-type: none"> • Writing of literature review for Intrusion Detection System • Preparing of a report on current performance test from other research papers. 	
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		<ul style="list-style-type: none"> • Designed of test scripts for performance test. • Setting up for performance test environment. • Evaluation of traffic & attack generation tools. <p>9. Supervise Research Assistant From:-</p> <ul style="list-style-type: none"> • Universiti Petronas in 2005 for Cyberspace Security Project. • Universiti Kebangsaan Malaysia in 1999 & 2000 for Learning Management System Project. <p>10. Cyberspace Security Center (January 2007 - now)</p> <ul style="list-style-type: none"> • Perform research, experiments and evaluation on Trusted Computing especially on virtualization technology and trusted platform module. • Setting up experiments for XEN virtualization. • Preparing a technical specification for project virtualization Trusted Platform Module (vTPM). 	
Oct 2017 - Until now	Lecturer (DS 52)	<p><u>Teaching</u> Minimum hours teaching every semester is 9 credit hours. Responsible for preparing student module, lecture notes, exam papers and grading. The courses taught were:</p> <ul style="list-style-type: none"> - Object Oriented Programming - Computer Organization & Architecture - System Analysis and Design <p><u>Supervising</u> Supervising industrial training's students, student's group, final year project and post-grad student.</p> <p>Coaching</p> <p>Consultation</p> <p>Academic Advisor</p> <p>Jury</p>	Universiti Pertahanan Nasional Malaysia

TEACHING AND SUPERVISION

Postgraduate Courses

No.	Course Title	Semester	Year
1	Pengajar Research Methodology Program PascaSiswazah (Mod Penyelidikan)	5 April 2021	2021
2	Pengajar Research Methodology Program PascaSiswazah (Mod Penyelidikan)	22 September 2021	2021

First Degree Courses

No	Course Title	Semester	Year
1	Year 1 Object Oriented Programming	2	2009/2010
2	Fundamental Computer Literacy	1	2010/2011
3	Year 1 Object Oriented Programming	2	2010/2011
4	Fundamental Computer Literacy	2	2011/2012
5	Year 1 Database System	1	2011/2012
6	Year 1 Object Oriented Programming	2	2011/2012
7	Year 3 Data Mining	2	2011/2012
8	Year 1 Computer Application	1	2012/2013
9	Year 1 Database System	1	2012/2013
10	Year 1 Object Oriented Programming	2	2012/2013
11	Year 3 Data Mining	2	2012/2013
12	Year 1 Object Oriented Programming	2	2016/2017
13	Fundamental Computer Literacy	1	2017/2018
14	Year 1 Object Oriented Programming	2	2017/2018
15	Year 1 Computer Organization Architecture	1	2018/2019
16	Year 1 Object Oriented Programming	2	2017/2018
17	Year 1 System Analysis and Design	Sem. Pendek	2018/2019
18	Year 1 Computer Organization Architecture	1	2019/2020
19	Year 1 Object Oriented Programming	2	2019/2020
20	Year 1 Computer Organization Architecture	1	2020/2021

21	Year 1 Object Oriented Programming	2	2020/2021
22	Year 3 Industrial Training	2	2020/2021
23	Year 1 Computer Organization Architecture	1	2021/2022
24	Year 1 Object Oriented Programming	2	2021/2022
25.	Foundation Information Technology FCS0634	1	2022/2023
26.	Year 1 Computer Organization Architecture	1	2022/2023

PhD Supervision

No	Name of Student	Project Title	Date of Registration	Role (Main / Co-Supervision)	Status • Completed • Submitted • In Progress	University
1.	Afifah binti Mohd Asri	Optimization Algorithm on Drug Reviews in Social Media for Sentiment Analysis.	2 Mac 2020	Co- Supervision	In Progress	UPNM

MSc (by Research)

No	Name of Student	Project Title	Date of Registration	Role (Main / Co-Supervision)	Status • Completed • Submitted • In Progress	University
1.	Muhammad Zakwan Bin Muhamad Rodzi	Sentiment Analysis of Propaganda Detection and Monitoring Based On Particle Swarm Optimization		Main	Completed	UPNM
2.	Norfazlinah Binti Mohd Yusop	Comparism Study of Classifier For Social Media To Analyse Cyberterrorism Sentiment.		Co-Supervision	In Progress	UPNM

Supervision (Postgraduate Research Project or Final Year Research Project)

No	Name of Student	Project Title	Date of Registration	Role (Main / Co-Supervision)	Status • Completed • Submitted • In Progress
1	Mohd Sharif Bin Ab Rajab	Konfigurasi Sistem Honeypot Menggunakan Batch Skrip	2010	Main	Completed
2	Muhammad Zulhafiz Bin Zulkarnain	Penyembunyian & penghantaran mesej menggunakan format bergambar (bmp fail).	2011	Main	Completed
3	Mohd Afiq Farhan Bin Mohd Lazim	Sistem Perkongsian Rahsia	2011	Main	Completed
4	Arina Binti Adzahar	Sistem Ujian Atas Talian	2011	Main	Completed
5	Muhamad Amirul Zakwan Bin Sarip	Sistem Pengawalan Services Bagi Server UPNM	2011	Main	
6	Noor Azmil Bin Saari	Sistem Laporan Perubahan Pelajar	2011	Main	Completed
7	Abdul Qayyum Rosli	e-Result (encrypted Result)	2012	Main	Completed
8	Muhammad Saifuddin	Sistem Pengurusan Keselamatan Fail Sulit Menggunakan Sensor	2012	Main	Completed
9	Muhammad Khairi Midon	P2P chat using java (a secure communication using SSL through JSSE)	2012	Main	Completed
10	Muhammad Syafiq B. Ghazali	Sistem Keselamatan Penyulitan dan Penyahsulitan Fail/Kata Laluan	2012	Main	Completed
11	Ahmad Shauqi B. Rosli	Aplikasi Mobil Sistem Pengukuran Jarak Antara Dua Tempat Secara Enkripsi	2012	Main	Completed
12	Hasif Khalaf B. Hanazan	Smart Id Dongle	2012	Main	Completed
13	Mohamad Azhar Bin Alang Kamarudin	Sistem Pengurusan Acara di UPNM	2013	Main	Completed
14	Muhamad Safwan Bin Mohamad Ghani	Sistem Pengesahan pada Android menggunakan kaedah kekunci peti besi	2013	Main	Completed
15	Muhd Kamarul Hafeez B. Abd Rahman	Sistem E-Perabot	2013	Main	Completed
16	Muhammad Ferdaus Bin Zulkifli	Sistem Audit Perisian di Makmal Komputer UPNM	2013	Main	Completed
17	Wan Nurhidayat Bin Wan Muhamad	Laman Sesawang mudah alih direktori EKO Hijau	2013	Main	Completed

18	Wan Mohamad Irwan Syazwan Bin Wan Ahmad Shukri	Sistem Pengesahan Kehadiran Peperiksaan UPNM menggunakan teknologi RFID	2013	Main	Completed
19	Muhammad Syamin Bin Yaakub	Sistem Pakar membantu menganalisa penyakit	2013	Main	Completed
20	Syazwan Bin Samsuri	Sistem kata kunci pelindung kad memori luaran	2013	Main	Completed
21	Muhammad Aizat Bin Azrul Hisham	Sistem Profil Kadet	2017	Main	Completed
22	Muhammad Anwar Syaamil bin Mohd Kama	Sistem Penyelenggaraan Senjata Pengawal Kem Sungai Besi	2018	Main	Completed
23	Nursyuhadah Binti Zulfakar	Sistem Pengurusan Pemeriksaan Senjata oleh Pegawai Bertugas di Stor Senjata UPNM	2018	Main	Completed
24	Nur Alia Atheerah Binti Zulkifli	Sistem E-Agihan Tugas Akademik Pensyarah JSK FSTP	2019	Main	Completed
25	Farhana Binti Yahaya	Sistem Pencarian Tajuk PSM Berdasarkan Carian Kata Kunci	2019	Main	Completed
26	Intan Liyana binti Maznan	Sistem Pengagihan Barang Isu Batalion Palapes UPNM	2020	Main	Completed
27	Nur Iryani binti Mohd Noor	Sistem Salah Laku Pelajar FSTP, UPNM	2020	Main	Completed
28	PKdt Wan Ahmad Aliffudin bin Wan Zulkiflee	Sistem Tempahan Dewan Peperiksaan UPNm	2020	Main	Completed
29	Aiman Farid Bin Roslan	Sistem Analisis Sentimen Komen Pengguna Terhadap Produk Komputer	2021	Main	Completed
30	Mohamad Akmal Firdaus Bin Nor Mohamad Iza	Sistem Maklumat Restoran Sistem Makanan Halal Menggunakan Aplikasi Telefon Pintar Android	2021	Main	Completed
31	Muhammad Amjad Bin Hilmi	Aplikasi Android Pengimbas Kod QR Untuk Pemantauan Pergerakan Pelajar di UPNM	2021	Main	Completed
32	Muhammad Harith Aiman Bin Abd Razak	Sistem Janji Temu Pensyarah JSK, FSTP di UPNM	2021	Main	Completed
33	Izzat Hazwan Bin Hamzani	Sistem Penilaian Prestasi Pensyarah Dalam Kategori Pengajaran	2021	Main	Completed
34.	Amir Syafiq Bin Mat Tarmizi	Aplikasi Android Pengimbas Kod QR Untuk Sistem Tiket Tren	2022	Main	Completed

35.	Mohamad Tirmizi Bin Suhaimi	Sistem Visual Analisis Sentimen Bagi Pengelasan Polariti Coronavirus Tweet	2022	Main	Completed
36	Muhammad Alif Aisar Bin Ab	Sistem Visual Analisis Sentimen Pengelasan Penilaian Penggunaan Dadah Dalam Ubat	2022	Main	Completed

RESEARCH, PUBLICATION AND PRESENTATION

Research Projects

No	Title	List of Researchers • Principal • Members	Grant Year	Source Amount	Status • Completed • In Progress
1	A Multi-Swarm Particle Swarm Optimization Algorithm for Feature Selection in Drug Review based on Medical Sentiment Lexicon Analysis	Project Leader R0144-FRGS/1/2022/ICT06/UPN M/02/1	2022	RM64,360.00	In Progress
2	A New Hybrid Deep Learning Method for Sentiment Analysis Model Based on Convolutional Neural Network (CNN) and Long Short-Term Memory (LSTM)	Member FRGS/1/2022/ICT06/UKM /02/2	2022	RM125,000.00	In Progress
3	A Framework Decision Support for B40 Women Entrepreneur based on Artificial Intelligence Data Analytic and Semantic Analysis.	Member LRGS/1/2020/UKM/01/5/2	2020	RM450,900.00	In Progress
4	A Multi-Swarm Particle Swarm Optimization Algorithm for Feature Selection in Drug Review based on Medical Sentiment Lexicon Analysis	Project Leader UPNM/2021/GPJP/ICT/1	2021	SKIM GERAN JANGKA PENDEK (GPJP) (RM20,000.00)	Close (Replace R0144-FRGS/1/2022/ICT 06/UPNM/02/1
5	Recognizing the Electroencephalogram (EEG) Waveform of Students Emotions	Member UPNM/2021/GPJP/ICT/2	2021	SKIM GERAN JANGKA PENDEK (GPJP) (RM20,000.00)	In Progress
6	A Hybrid Feature Selection for Sentiment Analysis in Propaganda Issues using Swarm Algorithm	Project Leader UPNM/2018/GPJP/2/TK/4	2018	RM20,000.00	Completed

No	Title	List of Researchers • Principal • Members	Grant Year	Source Amount	Status • Completed • In Progress
7	Data Quality Assessment In Big Data Analytics Application Based On Pls-Adaptive Neuro-Fuzzy Inference	Member UPNM/2018/GPJP/2/TK/5	2018	RM20,000.00	Completed
8	New Online Social Networks (OSNs) Model for Community Detection based on Minimum Spanning Tree (MST) FRGS	Member FRGS/1/2017/ICT02/UKM /02/4	2017	RM62,200.00	Completed
9	Using STEM data through smart self-crime prevention at schools for open data readiness (Menggunakan data stem untuk swa-pencegahan jenayah di sekolah untuk kesediaan data terbuka) Grant Arus Perdana UKM	Member AP-2017-005/2	2017	RM131,000.00	Completed

Publications

Academic Journal

No.	Authors, year, title, publisher/journal/conference, volume and number of pages (Please bold your name)	Type of Journal • ISI • SCOPUS • Peer-Reviewed
1.	Nurul Natasha Awinda Mohammad Nizam , Mohd Fahmi Mohamad Amran, Nurhafizah Moziyana Mohd Yusop, Siti Rohaidah Ahmad & Norshahriah Abdul Wahab, The Development of Electroencephalogram (EEG) in Neuromarketing Using Hedonic and Utilitarian Motivation, LNNS, volume 503, 2022.	SCOPUS
2.	Nurul Natasha Awinda Mohammad Nizam , Mohd Fahmi Mohamad Amran, Nurhafizah Moziyana Mohd Yusop, Yuhanim Hani Yahaya, Siti Rohaidah Ahmad & Noor Afiza Mat Razak, Benefits and Limitations of Neuromarketing Techniques in Enhancing Marketing Strategies, IVIT 2022.	SCOPUS
3	Siti Rohaidah Ahmad , Nurhafizah Moziyana Mohd Yusop, Afifah Mohd Asri, Mohd Fahmi Muhamad Amran, A Review of Feature Selection Algorithms in Sentiment Analysis for Drug Reviews,	SCOPUS

	International Journal of Advanced Computer Science and Applications, 12(12), 2021	
4	Nurhafizah Moziyana Mohd Yusop, Siti Rohaidah Ahmad , Arniyati Ahmad, Suhaila Ismail, Mohd Fahmi Mohamad Amran, Yuhanim Hani Yahaya, Siti Hajar Zainal Rashid, Mohd Nazri Ismail1 , Kamaruzaman Maskat, Kajian Keberkesanan Struktur Modul e-SULAM terhadap Pelajar UPNM : Program <i>Mini Mighty Robots</i> , <i>1st National Conference SULAM</i>	Peer-Reviewed
5	Siti Rohaidah Ahmad , Suhaila Ismail, Nurhafizah Moziyana Mohd Yusop, Arniyati Ahmad, Yuhanim Hani Yahaya, Shamsul Bahrin Abd Mutalib, A Survey on Techniques and Challenges in Sentiment Analysis for Malay Language, International Journal of Solid State Technology, 63(3), 76-82, 2020	SCOPUS
6	Siti Rohaidah Ahmad , Nurhafizah Moziyana Mohd Yusop, Siti Hajar Zainal Rashid, Abdul Ghapor Hussin, ZULFAQAR Journal of Defence Science, Engineering & Technology, 3(2), 32-36, 2020	SCOPUS
7	Nurhafizah Moziyana Mohd Yusop, Nooraida Samsudina, Anis Shahida Mokhtara, Siti Rohaidah Ahmad , Aslina Baharum, Mohd Fahmi Mohammad Amran, Cube Polygon: A New Modified Euler Method to Improve Electric Circuit Efficiency, ZULFAQAR Journal of Defence Science, Engineering & Technology, 3(1), 8-14, 2020	SCOPUS
8	Siti Rohaidah Ahmad , Azuraliza Abu Bakar, Mohd Ridzwan Yaakub, Ant colony optimization for text feature selection in sentiment analysis, Intelligent Data Analysis, vol. 23(1), pp 133-158, 2019.	SCOPUS
9	Siti Rohaidah Ahmad , Azuraliza Abu Bakar, Mohd Ridzwan Yaakub, A review of feature selection techniques in sentiment analysis, Intelligent Data Analysis, vol. 23(1), pp 159-189, 2019.	SCOPUS
10	Siti Rohaidah Ahmad , Muhammad Zakwan Muhammad Rodzi, Nurlaila Syafira Shapie, Nurhafizah Moziyana Mohd Yusop, Suhaila Ismail. International Journal of Advanced Computer Science and Applications, 2019, 10(11), pp. 240–245.	
11	Muslihah Wook, Suhaila Ismail, Nurhafizah Moziyana Mohd Yusop, Siti Rohaidah Ahmad , Arniyati Ahmad, Identifying priority antecedents of educational data mining acceptance using importance-performance matrix analysis, Education and Information Technologie, pp.1-12, 2019.	SCOPUS
12	Siti Rohaidah Ahmad , Azuraliza Abu Bakar, Mohd Ridzwan Yaakub, Nurhafizah Moziyana Mohd Yusop, Muslihah Wook, Arniyati Ahmad, Product Feature Ranking and Popularity Model Based on Sentiment Comments, International Journal of Advanced Computer Science and Applications (IJACSA), vol. 9, (9), 2018.	SCOPUS
13	Siti Rohaidah Ahmad , Mohd Ridzwan Yaakub, Azuraliza Abu Bakar, Nurhafizah Moziyana Mohd Yusop, Statistical Validation of ACO-KNN Algorithm for Sentiment Analysis, Journal of Telecommunication, Electronic and Computer Engineering (JTEC), vol. 9(2-11), pp 165-170, 2017.	SCOPUS

14	Nurhafizah Moziyana Mohd Yusop, Mohammad Khatim Hasan, Muslihah Wook, Mohd Fahmi Mohamad Amran, Siti Rohaidah Ahmad , Comparison New Algorithm Modified Euler Based on Harmonic-Polygon Approach for Solving Ordinary Differential Equation, Journal of Telecommunication, Electronic and Computer Engineering (JTEC), vol. 9(2-11), pp 29-32, 2017.	SCOPUS
15	Siti Rohaidah Ahmad , Mohd Ridzwan Yaakub, Azuraliza Abu Bakar, Nurhafizah Moziyana Mohd Yusop, Statistical analysis for validating ACO-KNN algorithm as feature selection in sentiment analysis AIP conference proceedings 1891 (1), 020018	SCOPUS
16	Nurhafizah Moziyana Mohd Yusop, Mohammad Khatim Hasan, Muslihah Wook, Mohd Fahmi Mohamad Amran, Siti Rohaidah Ahmad , A new Euler scheme based on harmonic-polygon approach for solving first order ordinary differential equation, AIP Conference Proceedings, 2017, 1891, 020102	SCOPUS
17	Siti Rohaidah Ahmad , Mohd Ridzwan Yaakub, Azuraliza Abu Bakar, "Detecting Relationship between Features and Sentiment Words using Hybrid of Typed Dependency Relations Layer and POS Tagging (TDR Layer POS Tags) Algorithm", The 3 rd International Multi-Conference on Artificial Intelligence Technology (M-CAIT 2016), 2016.	SCOPUS
18	Siti Rohaidah Ahmad , Azuraliza Abu Bakar, Mohd Ridzwan Yaakub, "Metaheuristic algorithms for feature selection in sentiment analysis", Science and Information Conference (SAI), pp.222-226, London, UK, IEEE, 2015.	SCOPUS
19	Siti Rohaidah Ahmad , Mohd Afizi Mohd Shukran, Suhaila Ismail, Arniyati Ahmad, "A New Teaching Approach in Object Oriented Programming Subject in Learning Military Environment", International Journal of Digital Content Technology and its Applications, vol. 6(15), 2012.	SCOPUS
20	Siti Rohaidah Ahmad , Zulkarnain Md Ali, Arniyati Ahmad, Suhaila Ismail, Mohd Afizi Mohd Shukran. "Hybrid Framework Model for Building Honeynet Laboratory for Computer Security Education in National Defence University Malaysia (NDUM). <i>Australian Journal of Basic & Applied Sciences</i> , 6(8), 2012.	SCOPUS
21	Arniyati Ahmad, Siti Rohaidah Ahmad , Nor Fatimah Awang, Zulkarnain Md Ali. (2011, July). "Web Vulnerability Assessment: Outsource Dilemmas". In <i>Electrical Engineering and Informatics (ICEEI), 2011 International Conference on</i> (pp. 1-6). IEEE.	SCOPUS
22	Siti Rohaidah Ahmad , Arniyati Ahmad, Nor Fatimah Awang, Nik Nur Aisyah Nik Ghazali," Customizing GINA for authentication in virtualization", Proceedings 2010 International Symposium on Information Technology - Engineering Technology, ITSIM'10 2,5561523, pp. 597-600.	SCOPUS

Book/Chapter in Book:

No	Authors, year, title, publisher/journal/conference, volume and number of pages (Please bold your name)	Level <ul style="list-style-type: none"> • International • National • University
1.	Siti Rohaidah Ahmad , Azuraliza Abu Bakar, Mohd Ridzwan Yaakub, 2021, Kaedah Kejiranan Semut Bagi Pemilihan Fitur Dalam Analisis Sentimen, Penerbit UKM, 978-967-251-576-0	University

Proceedings Articles

No.	Authors, year, title, publisher/conference, volume and number of pages (Please bold your name)	Level <ul style="list-style-type: none"> • International • National • University
1	Aiman Farid Roslan. Siti Rohaidah Ahmad , Nurhafizah Moziyana Mohd Yusop, Penang Internationa, Invention, Innovation And Design. (2021). Sentiment Analysis Of Consumer Comments On Computer Products, pp1061-1065, PIID2021 E- Proceeding, RMU, UITM Pulau Pinang.	International
2	Izzat Hazwan Hamzani, Siti Rohaidah Ahmad , Suhaila Ismail, Penang International Invention, Innovation And Design. 2021. Lecturer's Performance Assessment System In The Teaching, pp1066-1072, PIID2021 E- Proceeding, RMU, UITM Pulau Pinang.	International
3	Mohamad Akmal Firdaus Nor Mohamad Iza, Siti Rohaidah Ahmad , Nurhafizah Moziyana Mohd Yusop, Invention, Innovation And Design. (2021), Information System On Halal Restaurants Using Android, pp1074-1079, PIID2021 E- Proceeding, RMU, UITM Pulau Pinang.	International
4	Muhammad Amjad Hilmi, Siti Rohaidah Ahmad , Suhaila Ismail, Penang International Invention, Innovation And Design. (2021). Android Application For Monitoring The Movements Of UPNM Students Using QR Code Scanner (Myjejak@Upnm), pp1080-1085, PIID2021 E- Proceeding, RMU, UITM Pulau Pinang.	International
5	Muhammad Ridhwan Hapandi Suhaila Ismail, Baizura Bohari, Siti Rohaidah Ahmad . (2021), Covid-19 Thermometer System, pp1046-1051, PIID2021 E- Proceeding, RMU, UITM Pulau Pinang.	International
6	Muhammad Asyraf Azman, Nurhafizah Moziyana Mohd Yusop, Hoo Yann Seong, Siti Rohaidah Ahmad , Arniyati Ahmad. (2021), Smart Dustbin, pp1115-1118, PIID2021 E- Proceeding, RMU, UITM Pulau Pinang.	International
7	Muhammad Nurnashan Mohd Daud, Nurhafizah Moziyana Mohd Yusop, Ummul Fahri Abdul Rauf, Suhaila Ismail, Siti Rohaidah	International

	Ahmad. (2021) ALK Vehicle Booking System, pp1119-1123, PIID2021 E- Proceeding, RMU, UITM Pulau Pinang.	
8	Siti Rohaidah Ahmad , Nurhafizah Moziyana Mohd Yusop, Azuraliza Abu Bakar, Mohd Ridzwan Yaakub, Statistical analysis for validating ACO-KNN algorithm as feature selection in sentiment analysis, AIP Conference Proceedings, 1891(1), 2017	International
9	Nurhafizah Moziyana Mohd Yusop, Mohammad Khatim Hasan, Muslihah Wook, Mohd Fahmi Mohamad Amran, Siti Rohaidah Ahmad , A new Euler scheme based on harmonic-polygon approach for solving first order ordinary differential equation, AIP Conference Proceedings, 1891(1), 2017	International
10	Siti Rohaidah Ahmad , Mohd Ridzwan Yaakub, Azuraliza Abu Bakar, "Detecting Relationship between Features and Sentiment Words using Hybrid of Typed Dependency Relations Layer and POS Tagging (TDR Layer POS Tags) Algorithm", The 3 rd International Multi-Conference on Artificial Intelligence Technology (M-CAIT 2016), 2016.	International
11	Siti Rohaidah Ahmad , Azuraliza Abu Bakar, Mohd Ridzwan Yaakub, "Identifying the Relations between Features and Sentiment Words in Sentences using Typed Dependency Relations and POST Combinations for Customer Review Dataset", The 4 th Artificial Intelligence Technology Postgraduate Seminar (CAITPS 2015), 2015.	National
12	Siti Rohaidah Ahmad , Azuraliza Abu Bakar, Mohd Ridzwan Yaakub, "Metaheuristic algorithms for feature selection in sentiment analysis", Science and Information Conference (SAI), pp.222-226, London, UK, IEEE, 2015.	International
13	Siti Rohaidah Ahmad , Azuraliza Abu Bakar, Mohd Ridzwan Yaakub, "Metaheuristic Approach for Feature Selection in Sentiment Analysis: A Review", The 3 rd National Doctoral Seminar on Artificial Intelligence Technology, 2014.	National
14	Puteri N.E. Nohuddin, Stephanie Chua, Siti Rohaidah Ahmad , "Keyword and Chapter Relationship Analysis in the Tafseer of Al-Quran", 2013 Taibah University International Conference on Advances in Information Technology for the Holy Quran and Its Sciences, vol. 00, no. , pp. 264-269, 2013, doi:10.1109/NOORIC.2013.60	International
15	Arniyati Ahmad, Siti Rohaidah Ahmad , Nor Fatimah Awang, Zulkarnain Md Ali. (2011, July). "Web Vulnerability Assessment: Outsource Dilemmas". In <i>Electrical Engineering and Informatics (ICEEI), 2011 International Conference on</i> (pp. 1-6). IEEE.	International
16	Muslihah Wook, Siti Rohaidah Ahmad , "Knowledge Discovery Process Model for Educational Environment: Hybrid Model", International Conference on Computer Engineering and Technology, 3 rd (ICCET 2011).	International
17	Siti Rohaidah Ahmad , Arniyati Ahmad, Nor Fatimah Awang, Nik Nur Aisyah Nik Ghazali," Customizing GINA for authentication in virtualization", Information Technology (ITSim), 2010 International Symposium in	International
18	Siti Rohaidah Ahmad , Arniyati Ahmad, , Nazatul Naquiah Ahba Abd Hamid, Mohd Sharif Ab Rajab, Nor Fatimah Awang, Muslihah Wook,	International

	"Development of a single honeypot system interface". In: 3rd International Conference on Computing and Informatics (ICOCI 2011), 8-9 June 2011, Bandung, Indonesia.	
19	Nor Fatimah Awang, Siti Rohaidah Ahmad , Arniyati Ahmad, "Preventing Web Browser From Cyber Attack", 2nd Annual International Conference on Network Technologies & Communications ,NTC 2011.	International
20	NorFatimah awang, Mohd Hazali Mohamed Halip, Siti Rohaidah Ahmad , Arniyati Ahmad, Ahmad Nabil Ahmad Iskandar, "Sistem Bantuan Komunikasi dan Penghantaran Data dalam MANET menggunakan Mekanisma Kepercayaan (Trust Mechanism): Satu Prototaip", Kolokium FSTP 2010.	University
21	Arniyati Ahmad, Siti Rohaidah Ahmad , Nazatul Naquiah Ahba Abd Hamid, NorFatimah Awang, "Implementasi Virtualisasi Dalam Pengajaran dan Pembelajaran Kursus Komputer", Kolokium FSTP 2010.	University

Presentation:

No.	Event	Title of Paper Presented	Role (Keynote Speaker / Invited Speaker / Presenter)	Date	Organizer
1	Seminar Projek Tahun Akhir II Semester 1, Sesi Akademik 2022/2023 Program Sarjana Muda Penyelidikan Operasi Dengan Sains Data	Converting Final Year Project to Copyright	Invited Speaker	1 Disember 2022	Jabatan Sains Pertahanan, FSTP, UPNM
2	ICICTM 2021: International Conference of Information and Communication Technology (Malaysia)	A Review of Feature Selection Algorithms in Sentiment Analysis for Drug Reviews	Presenter	23 March 2021	UniKL-UPNM
3	ICAST 2020	A Survey on Techniques and Challenges in Sentiment Analysis for Malay Language	Presenter	13-14 July 2020	Academic Research Society of Malaysia (ARMS)
4	Syarahan di Pusat Penyelidikan Pemantauan Ruang Informasi Strategik ATM	Data Analysis	Invited Speaker	6-7 Feb 2018	PP Prisma Penyelidikan Pemantauan Ruang Informasi Strategik ATM
5	ICAST2017	Statistical Validation of ACO-KNN Algorithm for Sentiment Analysis	Presenter	3-5 April 2017	Academic Research Society

					of Malaysia (ARMS)
6	Science and Information Conference (SAI),	Metaheuristic algorithms for feature selection in sentiment analysis",	Presenter	2015	Science and Information Conference (SAI),

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

Academic Recognition and Leadership

No	Academic Recognition	Year	Level	Awarding Body / Name of Institution
1	Anugerah Akademik Cemerlang	2022	University	Universiti Pertahanan Nasional Malaysia (UPNM)
2	Anugerah Kualiti Timbalan Naib Canselor (Penyelidikan dan Inovasi) Anugerah Skim Insentif Hasil Penyelidikan dan Inovasi	2022	University	Universiti Pertahanan Nasional Malaysia (UPNM)
3	Copyright (No Fail: CRYL2022W02601), Algoritma Aplikasi Android Pengimbas Kod QR Untuk Sistem Tiket Tren dalam Kategori Pengajaran	2022	Universiti	Akta Hak Cipta 1987
4	Copyright (LY2022W02390), MODUL Pengenalan Robot (Kursus Dalam Talian Beserta Video),	2022	Universiti	Akta Hak Cipta 1987
5	Copyright (Proses kelulusan di MyIPO) Reka bentuk antara Muka Aplikasi Android Pengimbas Kod QR untuk Sistem Tiket Tren	2022	Universiti	Akta Hak Cipta 1987
6	Copyright (Proses kelulusan di MyIPO) Algoritma Sistem Pelaporan Secara Visual Analisis Sistem	2022	Universiti	Akta Hak Cipta 1987
7	Gold Medal A Hybrid Multi-Swarm Optimization Technique on Drug Reviews in Social Media for Sentiment Analysis (Defence, Security and Sustainability Exhibition 2022)	2022	University	Universiti Pertahanan Nasional Malaysia (UPNM)

8	Bronze Medal A Hybrid Multi-Swarm Optimization Technique on Drug Reviews in Social Media for Sentiment Analysis PECIPTA '22 (International Conference and Exposition on Inventions by Institutions of Higher Learning.)	2022	International	Kementerian Pengajian Tinggi Malaysia
9	Silver Medal National Innovation and Invention Competition (NIIce 2022), Aplikasi Android Pengimbas Kod QR untuk Sistem Tiket Tren.	2022	National	University Tun Hussein Onn Malaysia
10	Bronze Medal National Innovation And Invention Competition (Niice 2022), Sistem Visual Analisis Sentimen Bagi Pengelasan Polariti Coronavirus Tweet, Bronze Award.	2022	National	University Tun Hussein Onn Malaysia
11	Bronze Medal National Innovation And Invention Competition (Niice 2022), Sistem Visual Analisis Sentimen Pengelasan Penilaian Penggunaan Dadah Dalam Ubat,	2022	National	University Tun Hussein Onn Malaysia
12	Gold Medal National Innovation And Invention Competition (Niice 2022), Hypertension Pre-Assessment Monitoring System	2022	National	University Tun Hussein Onn Malaysia
13	Silver Medal National Innovation And Invention Competition (Niice 2022), Exam Admission Slip Management System Using Face Recognition	2022	National	University Tun Hussein Onn Malaysia
14	Gold Award, Special Award (IEEE Control Systems Society). National Innovation And Invention Competition (Niice	2022	National	University Tun Hussein Onn Malaysia

	2022), Mini First Responder Drone (Web-Based Drone Controller System.			
15	Anugerah Pekerja Cemerlang	2021	University	Universiti Pertahanan Nasional Malaysia (UPNM)
16	<i>Copyright</i> (No Fail: LY2021E02695), Reka Bentuk Algoritma (Aturcara) Bagi Sistem Penilaian Prestasi Pensyarah dalam Kategori Pengajaran	2021	Universiti	Akta Hak Cipta 1987
17	<i>Copyright</i> (No Fail: AR2021E02584), Reka Bentuk Antara Muka Sistem Penilaian Prestasi Pensyarah dalam Kategori Pengajaran	2021	Universiti	Akta Hak Cipta 1987
18	<i>Copyright</i> (No Fail: AR2021E02314), Reka Bentuk Antara Muka Aplikasi Android Pengimbas Kod QR untuk Pemantauan Pergerakan Pelajar di UPNM (MyJejak@UPNM)	2021	Universiti	Akta Hak Cipta 1987
19	<i>Copyright</i> (No Fail: LY2021E02313), Reka Bentuk Algorithm Aplikasi Android Pengimbas Kod QR untuk Pemantauan Pergerakan Pelajar di UPNM (MyJejak@UPNM),	2021	Universiti	Akta Hak Cipta 1987
20	Copyright(AR2020003278), Reka Bentuk Antara Muka Sistem E-Agihan Tugas Akademik Pensyarah UPNM	2021	Universiti	Akta Hak Cipta 1987
21	Copyright (LY2021E04852), MODUL Panduan Pemasangan Robot "Sequence Pacer	2021	Universiti	Akta Hak Cipta 1987
22	Copyright (LY2021E04851), MODUL Panduan Pemasangan Robot "Bug Fighter"	2021	Universiti	Akta Hak Cipta 1987
23	Copyright (FM2021E04850), Kit Pengajaran Dan Pembelajaran-Mini Mighty Robots: Sequence Racer Robot (Assemble)	2021	Universiti	Akta Hak Cipta 1987

24	Copyright (LY2021E04848), Sistem Aplikasi Android: Keep The Distance	2021	Universiti	Akta Hak Cipta 1987
25	Copyright (LY2021E04849), Sistem Mengesan Serangan Malware Menggunakan Honeypot Dionaea Dan Moden Honey Network	2021	Universiti	Akta Hak Cipta 1987
26	Copyright (AR2021E02308), REKA BENTUK Antara Muka Sistem Pemantauan Ketidakhadiran Kuliah Menggunakan Kod QR	2021	Universiti	Akta Hak Cipta 1987
27	Bronze Medal Penang International Invention, Innovation And Design (PIID 2021), Sentiment Analysis Of Consumer Comments On Computer Products.	2021	International	Research Management Unit (RMU), Universiti Teknologi MARA, Cawangan Pulau Pinang, Kampus Permatang Pauh, 13500 Permatang Pauh, Pulau Pinang
28	Bronze Medal (PIID 2021), Lecturer's Performance Assessment System In The Teaching Category (Bronze).	2021	International	Research Management Unit (RMU), Universiti Teknologi MARA, Cawangan Pulau Pinang, Kampus Permatang Pauh, 13500 Permatang Pauh, Pulau Pinang
29	Bronze Medal Invention, Innovation And Design (PIID 2021), Information System On Halal Restaurants Using Android, (Bronze).	2021	International	Research Management Unit (RMU), Universiti Teknologi MARA, Cawangan Pulau Pinang, Kampus Permatang Pauh, 13500 Permatang Pauh, Pulau Pinang
30	Bronze Medal Penang International Invention, Innovation And Design (PIID 2021), Android Application For Monitoring The Movements Of UPNM Students Using QR Code Scanner (Myjejak@Upnm).	2021	International	Research Management Unit (RMU), Universiti Teknologi MARA, Cawangan Pulau Pinang, Kampus Permatang Pauh, 13500 Permatang Pauh, Pulau Pinang
31	Silver Medal Penang International Invention, Innovation and Design (PIID 2021), Covid-19 Thermometer System.	2021	International	Research Management Unit (RMU), Universiti Teknologi MARA, Cawangan Pulau Pinang, Kampus Permatang Pauh, 13500 Permatang Pauh, Pulau Pinang
32	Bronze Medal Penang International Invention, Innovation And	2021	International	Research Management Unit (RMU), Universiti Teknologi MARA,

	Design (PIID 2021), Smart Dustbin.			Cawangan Pulau Pinang, Kampus Permatang Pauh, 13500 Permatang Pauh, Pulau Pinang
33	Bronze Medal Penang International Invention, Innovation And Design (PIID 2021 ALK Vehicle Booking System.	2021	International	Research Management Unit (RMU), Universiti Teknologi MARA, Cawangan Pulau Pinang, Kampus Permatang Pauh, 13500 Permatang Pauh, Pulau Pinang
34	Silver Medal 1st National SULAM Conference, 2021, Mini Mighty: Emulator Bee Bot, (Silver).	2021	National	UTM, Skudai, Johor Bahru
35	Gold Medal International Innovation, Creativity & Technology Exhibition (i2Create 2021), Smart Service Laundry Grab.	2021	International	UNIMAP
36	Silver Medal International Innovation, Creativity & Technology Exhibition (i2Create 2021), Corona VS Home Sapiens.	2021	International	UNIMAP
37	Silver Medal International Innovation, Creativity & Technology Exhibition (i2Create 2021), Phoenix: Gate Access Control using License Plate Recognition & UHF RFID Tag System in UPNM.	2021	International	UNIMAP
38	Anugerah Perkhidmatan Cemerlang (APC)	2020	Universiti	Universiti Pertahanan Nasional Malaysia (UPNM)
39	Copyright (LY2020003278), Reka Bentuk Antara Muka Sistem E-Agihan Tugas Akademik Pensyarah UPNM	2020	Universiti	Akta Hak Cipta 1987
40	Copyright (LY2020003100), Algorithm Sistem E-Agihan Tugas Akademik Pensyarah UPNM	2020	Universiti	Akta Hak Cipta 1987
41	Copyright (NoLY2020003099), Algorithm Sistem Feature Ranking and Popularity Mode Based on Sentiment Comments	2020	Universiti	Akta Hak Cipta 1987

42	Copyright (LY2020004910), Sistem Mengesan Keganasan Siber Atas Talian	2020	Universiti	Akta Hak Cipta 1987
43	Copyright (LY2020002768), Mindwave Controlled Robot As an Attention Indicator using Forward Chaining Algorithm	2020	Universiti	Akta Hak Cipta 1987
44	Silver Medal Final Year Project & Postgraduate Poster Competition (FYPPPC) Series 1/2020, Online Cyber Terrorism Detection System	2020	Universiti	MNNF Network
45	Copyright (No Fail: LY2019004572) untuk produk Sentiment Analysis Using A Hybrid of Typed Dependency Relations Layer and POS Tagging.	2019	Universiti	UPNM
46	Gold Medal Sentiment Analysis For Product Reviews Using TDR Layer POST PECIPTA '19 (International Conference and Exposition on Inventions by Institutions of Higher Learning.)	2019	International	Kementerian Pengajian Tinggi Malaysia
47	Bronze Medal Sentiment Analysis For Product Reviews Using TDR Layer POST Minggu Penyelidikan & Inovasi 2019, 12-13 Mac 2019, UnisZA.	2019	National	UMT/UNISZA/TATI
48	Gold Medal Brainwave Controlled Robot As An Attention Level Indicator Using Forward Chaining Minggu Penyelidikan & Inovasi 2019, 12-13 Mac 2019, UnisZA	2019	National	UMT/UNISZA/TATI
49	Gold Medal Sentiment Analysis For Product Reviews Using TDR Layer POST (Defence, Security and Sustainability Exhibition 2019)	2019	University	UPNM

50	Gold Medal Sentiment Analysis For Product Reviews Using TDR Layer POST (Defence, Security and Sustainability Exhibition 2019)	2019	University	UPNM
51	Silver Award: ITEX 2019 Graphical Based Access Control Using Digital Image Pixel Value Feature	2019	International	UPNM

Consultancy work that benefited to the University.

No.	Title	Year	Sponsor	Value	Duration
1	Panel penggubal soalan PSPM Sains Komputer (Matrikulasi)	2022	Kementerian Pendidikan Malaysia (KPM)	Wakil UPNM	Ogos 2022 – September 2022
2	External Moderator Bagi Kursus Perintis Mod Open & Distance Learning (ODL)	2021	UNITEN	Wakil UPNM	14 Jun 2021 - 15 Sept 2021
3	FELO Bersekutu Makmal Penyelidikan Analisa Sentimen UKM	2020	UKM	Wakil UPNM	2 January 2020 - presents
4	Paper Reviewer for ZULFAQAR International Journal of Defence Science, Engineering and Technology	2020	UPNM	Paper Reviewer of International Journal/Proceedings	2020
5	Penggubal Soalan Semester II Sesi 2019 (Matrikulasi)	2019	UPNM	Wakil UPNM	2019
6	Penceramah Jemputan (Tajuk:Data Analysis)	2018	Pusat Penyelidikan Pemantauan Ruang Informasi Strategik ATM	Wakil UPNM	2 hari (6/2- 7/2/2018)
7	Paper Reviewer for 2 nd International Conference on Information Communication and Technology (ICICTM)	2018	UPNM/ UNIKL	Paper Reviewer of International Journal/Proceedings	-

No.	Title	Year	Sponsor	Value	Duration
8	Paper Reviewer for Journal of Big Data	2018 - 2019	International	Paper Reviewer of International Journal	-
9	Paper Reviewer for International Journal of Advanced Computer Science and Applications (IJACSA)	2018 - presents	International	Paper Reviewer of International Journal	-
10	Paper Reviewer for 2nd International Conference on Information & Communication Technology (ICICTM) 2018	2018	International	Paper Reviewer of International Journal	-
11	Paper Reviewer for International Conference on Information & Communication Technology (ICICTM) 2021	2021	International	Paper Reviewer of International Journal	-
12	Paper Reviewer for Journal of Information and Communication Technology	2021	International	Paper Reviewer of International Journal	-

Service to the University

No	Position/Membership	Committee	Duration
1	Mentor National Innovation & Invention Competition (NIICe) 2022	Faculty	2022
2	Penasihat Akademik Program Ijazah Sarjana Muda Sains Komputer (Sistem Cerdas), Sesi 2021/2022	Faculty	2021/2022
3	Ahli jawatankuasa MQA02 program Ijazah Sarjana Muda Sains Komputer (Kepujian) (ZC00), Fakulti Sains Dan Teknologi Pertahanan	Faculty	3 Mei 2021 – 31 Dis 2021
4	Fasilitator bagi program JOHOR IR4.0 Talent Development Program	Faculty	26 Jun 2021 – 31 Sep 2021
5	Jury International Innovation, Creativity And Technology Exhibition 2021 (i2Create)	Committee of International Inovation	2021
6	Mentor bagi International Innovation, Creativity And Technology Exhibition 2021 (i2Create)	Faculty	16 Sep 2021
7	Pengajar Kursus Research Methodology Program Pascasiswazah (Mod Penyelidikan)	Faculty	5 Mei 2021; September 2021
8	Mentor Penang International Invention Innovation & Design Competition 2021 (PIID)	Faculty	10 – 11 Mar 2021
9	Penyelaras Latihan Industri	Faculty	2021 & 2022
10	Penyelaras SULAM FSTP	Faculty	2021; 2022
11	AJK Publisiti ICICTM '21	Committee of International Conference	2020
12	AJK Pemilihan & Perlantikan Juri Pertandingan Selangor XTIV Video Challenge 2020	Committee of National Competition	20 Nov 2020 – 31 Dis 2020
13	Mentor Bagi Staf Tamat Tempoh Cuti Belajar	Faculty	2020
14	Panel Penilaian, Projek Berkumpulan SADM	Faculty	2020
15	Jurulatih Programming Open Competition, USIM	Faculty	2020
16	Penilai Permohonan Pelajar Pascasiswazah (Sarjana Penyelidikan), FSTP	Faculty	2019
17	Pegawai Pengiring VVIP, Konveksyen UPNM Ke-10	Universiti	2019
18	AJK Internal Rgorous Assessment (IRA), JSK, FSTP	Faculty	2019
19	Penilai Kolokium Siswazah	Faculty	2019; 2020; 2021
20	Penasihat Akademik 2017	Faculty	2018-2020
21	Penyelaras Penyelidikan JSK, FSTP	Faculty	2018-2019
22	Ketua SIG Soft Computing	Faculty	2018-2023
23	Penyemak Format Laporan PSM	Faculty	2018-2019

24	Ahli Kumpulan Inovatif & Kreatif (KIK)	Faculty	2018
25	Pengerusi Program ICICTM '18	Committee of International Conference	2018
26	AJK Pengajian Siswazah, JSK, FSTP	Faculty	2018-2019
27	AJK Penyelidikan & Inovasi Fakulti (JPIF), FSTP	Faculty	2018-2019
28	Ketua Pembangun Massive Open Online Course (MOOC) bagi kursus Artificial Intelligence	Uniersity	2018
29	Pengerusi Program ICICTM'18	Uniersity	2018
30	Pegawai Pengiring Konvokesyen ke-8 UPNM	Uniersity	2017
31	Ahli Pembangunan Massive Open Online Course (MOOCs) bagi Kursus Information Retrieval and Natural Language Processing	Uniersity	2017

Service to the community

No.	Organization	Role	Start Date	End Date	Level
1	Sek. Keb Bandar Tun Razak 1	Penyelaras SULAM	23 Jun 2022	30 Jun 2022	Faculty
2	Pusat Asasi Pertahanan	Jury PAP Innovation Competition 2022 (PAPIC 2022)	9 November 2022	9 November 2022	University
3	Sek. Keb Bandar Tun Razak 1	Penyelaras SULAM	23 Jun 2021	30 Jun 2021	Faculty
4	Sek. Keb Bandar Tun Razak 1	AJK PIBG. SKBTR 1	2021	2023	
5	Sek. Keb Bandar Tun Razak 1	Ketua Karnival STEM	12 Feb 2020	12 Feb 2020	Faculty
6	Sek Keb. Bangi	Ketua Karnival STEM/Penceramah	6 Feb 2020	6 Feb 2020	Faculty
7	Sek Keb Desa Putra	Ketua Karnival STEM/Penceramah	26 Jun 2019	26 Jun 2019	Faculty
8	Expo Final Year, JKE, UPNM	Juri Expo Final Year, JKE, UPNM	28/5/2019	28/5/2019	Faculty
9	Program Hari Kerjaya Sek. Keb, Sri Delima, Kuala Lumpur 2019	Penceramah Program Hari Kerjaya SKSD 2019	13/2/2019	13/2/2019	Faculty
10	Karnival STEM di Sekolah Menengah Kebangsaan Taman Desa, KL	AJK Karnival STEM, FSTP, UPNM	19/10/2018	19/10/2018	Faculty