



CURRICULUM VITAE



I. PERSONAL PARTICULARS

Name	Dr. Mohammad Adib bin Khairuddin
Current Position Faculty / Department	Senior Lecturer DS 52 Department of Science Computer Faculty of Defence Science and Technology UPNM

II. ACADEMIC AND PROFESSIONAL QUALIFICATIONS

(Please list all academic qualifications, from your first degree, in chronological order)

Year	Degree	Discipline	University
Aug 2002	Bachelor of Technology (Honours)	Information Technology	Universiti Teknologi Petronas, Malaysia
July 2009	Master of Applied Science	Information Security & Assurance	RMIT University, Melbourne, Australia
Jan 2017	Doctor of Philosophy	Mathematical Sciences	RMIT University, Melbourne, Australia

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

No.	TITLES OF POSTGRADUATE THESES
1.	Power Of Posts: A Quantitative Analysis Of Facebook Election Campaigning Interactions - PhD

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

Year	Position	Organisation	Start and End Date
Aug 2002 – Mar 2005	Network Security Administrator, Executive, IT Security Administrator	IT Banking	Affin Bank Berhad
Apr 2005 – Dec 2006	Executive, IT Infrastructure Architecture & Innovation Unit, Information Systems Division	IT Outsource Banking	Maybank Group
Jan 2007 – May 2007	Senior Executive, Network & Security Support Unit, IT Technical Support Unit	IT Finance	Public Mutual Berhad
July 2009 – Now	Senior Lecturer	Education	UPNM

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

1.2 First Degree Courses

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

No.	Course Title	Semester	Year
1.	TSS3223: Network Intrusion Detection System	Semester II	2010/11
2.	FCS 0723: Introduction to Programming	Semester II	2010/11
3.	Computer Science Dept. Industrial Training Coordinator	Semester II	2010/11
4.	FCS0712: Computer Literacy	Semester II	2011/12

5.	TSK1113: Computer Organisation & Architecture	Semester I	2011/12
6.	TSS3223: Network Intrusion Detection System	Semester II	2011/12
7.	FCS 0723: Introduction to Programming	Semester II	2011/12
8.	FCS0634: Information Technology	Semester I	2012/13
9.	TSS 3253: Information Security Management	Semester II	2016/17
10.	FCS 0634: Information Technology	Semester II	2016/17
11.	Computer Science Dept. Final Year Projects Coordinator	Semester II	2016/17
12.	FCS 0634: Information Technology	Semester I	2017/18
13.	TSK 3233: Computer Organisation and Architecture	Semester I	2017/18
14.	FCS 0634: Information Technology	Semester II	2017/18
15.	FCS 0634: Information Technology	Semester I	2018/19
16.	FCS 0634: Information Technology	Semester II	2018/19
17.	TSS 3253: Information Security Management	Semester II	2018/19
18.	FCS 0634: Information Technology	Semester I	2019/20
19.	TSB 3423: Information Security Management	Semester I	2019/20
20.	TSS3743: Network Intrusion Detection System	Short Sem.	2021/22

1.3 Diploma Courses

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

No.	Course Title	Semester	Year
1.	TDK0013: Computer Literacy	Semester I	2017/18
2.	TDK2323: Information System Management	Semester II	2020/21
3.	TDK2323: Information System Management	Semester V	2020/21

1.4 Pre-Degree Courses

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

No.	Course Title	Semester	Year

1.5 PhD Supervision

(Please list in chronological order)

No.	Name of Student	Project Title	Date of Registration	Role (Main / Co-Supervision)	Status <ul style="list-style-type: none">• Completed• Submitted• In Progress	University
1.	Hasmeda Erna bt. Che Hamid	Security Framework for Disaster Management Using Wireless Sensor Network (WSN)	12 Mar 2018	Co-Supervisor	In Progress	UPNM
2.	Muhammad Naim bin Abdullah	Enhancing Feature Extraction Technique for Content Based Image	March 2018	Co-Supervisor	Completed	UPNM
3.	Suhaila bt. Ismail	Enhancement of SCADA Security Framework for Assessing SCADA System in Cyber-Terrorism	18 Sept 2020	Co-Supervisor	In Progress	UPNM
4.	Kamaruzaman bin Maskat	Enhancing the Server-Side Internet Proxy Detection Technique in Network Infrastructure	March 2022	Co-Supervisor	In Progress	UPNM

5.	Sharifah Nabila binti S Ali Sham	IOT Attack Prediction using Hybrid Machine Learning Techniques in Smart City Security Framework	Jan 2022	Co- Supervisor	In Progress	UPNM
6.	Muhammad Fendi bin Osman	Optimizing Virtual Private Network (VPN) Performance Based on Software Defined Networking (SDN) Approach	March 2022	Co- Supervisor	In Progress	UPNM

1.6 PhD External/Internal Examination

(Please list in chronological order)

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

1.7 MSc (by Research)

(Please list in chronological order)

No.	Name of Student	Project Title	Date of Registration	Role (Main / Co-Supervision)	Status <ul style="list-style-type: none">• Completed• Submitted• In Progress	University
1.	Mohd Azmi bin Mustafa@Sulaiman	Analysis of Log Management Tools for Network and Security Reporting	2019	Main Supervisor	Completed	UPNM
2.	Sari Nashikim binti Radin Iskandar	Identifying Social Media Emoticon Meaning Using Interaction Strength Plot Method	2018	Main Supervisor	In Progress	UPNM

1.8 MSc External/Internal Examination

(Please list in chronological order)

No.	Name of Student	Project Title	External / Internal	Date of Viva	University
1	Nurjannatul Jannah Aqilah Bt. Md Saad	Fear as Emotion Assessment in Information Security Domain Using Kansei Engineering Methodology	Internal Examiner	5/05/2020	UPNM
2.	Zulhikmi bin Zali @ mat Tahir	Pembangunan Model Kebolegunaan untuk Aplikasi Mudah Alih Dalam Latihan Ketenteraan	Panel Chair	20/05/2020	UPNM
3.	Kapt Wan Nurhidayat bin Wan Muhamad	Identity Verification using Dynamic Authentication Approach	Internal Examiner	20/01/2021	UPNM

1.9 Supervision (Postgraduate Research Project or Final Year Research Project)

(Please list in chronological order)

No.	Name of Student	Project Title	Date of Registration	Role (Main/Co-Supervision)	Status • Completed • Submitted • In Progress
1.	Saadun Yaacob	Sistem Pemantauan Keluar Masuk Kenderaan Rasmi UPNM	2012	Main Supervisor	Completed
2.	Fakhruddin Ismail	Sistem Pengurusan Pembelian Buku	2012	Main Supervisor	Completed
3.	Muhamad Zulkarnain Muhamed	Sistem Log Masuk Laman Web Menggunakan Steganografi Gambar	2012	Main Supervisor	Completed
4.	Muhammad Nur Amin Jaamat	Sistem Peminjaman & Pemulangan Buku di Perpustakaan	2012	Main Supervisor	Completed

		UPNM secara Cap Jari			
5.	Mohd Arif Gulbuddin Abdul Halim	Sistem Pemantauan Keluar Masuk Kenderaan Rasmi UPNM	2011	Main Supervisor	Completed
6.	Wan Mohd Hafiz Wan Hussin	Online Voting System for SRC using Fingerprint	2011	Main Supervisor	Completed
7.	Marzuqi Mohamad	Sistem Log Masuk Laman Web Menggunakan Steganografi Gambar	2011	Main Supervisor	Completed
8.	Norfazlin Hussin	Sistem Pengurusan Pembelian Buku	2011	Main Supervisor	Completed
9.	Nik Ida Azmira Nik Anuar	Sistem Peminjaman & Pemulangan Buku di Perpustakaan UPNM secara Cap Jari	2011	Main Supervisor	Completed
10.	Muhammad Firdaus Sulaiman	Sistem Penyimpanan Rekod Cuti Pegawai Kadet secara Cap Jari	2011	Main Supervisor	Completed
11.	Muhammad Amsyarul Amin bin Mustafar	Sistem Aplikasi Sosial Kadet UPNM dan ALK	2017	Main Supervisor	Completed
12.	Muhammad Aizat bin Azrul Hisham	Sistem Profail Kadet	2017	Co-Supervisor	Completed
13.	Mohamad Naim Elmir bin Jamal Abd Nasir	<i>Smart Zakat Calculator</i>	2017	Main Supervisor	Completed
14.	Nuraini binti Shamsaimon	Sistem Tempahan Servis Fotografi Fillea Studio	2020	Main Supervisor	Completed
15.	Nor Emelia Syafiza binti Azman	Sistem Direktori Pencarian Bilik Pensyarah	2020	Main Supervisor	Completed
16.	Adawiyah binti Yahaya	Sistem E-Cuti Sakit FSTP	2020	Main Supervisor	Completed
17.	Fathullah Ayyub bin Ismail	Sistem Aplikasi Menu Harian dan Pesanan Makanan Atas Talian	2021	Main Supervisor	Completed
18.	Amirul Zharif bin Zairudin	Text Detection and Recognition in Video (TD-RIV) System	2021	Main Supervisor	Completed

19.	Amirul Hakim bin Haris Azman	Sistem Tempahan Stadium UPNM	2021	Main Supervisor	Completed
20.	Sistem Pengurusan dan Pemberitahuan Acara di UPNM	Mohamad Harith Zakwan bin Nor Azizan	2021	Main Supervisor	Completed
21.	Sistem Pengiraan Faraid Online	Muhammad Amiruddin bin Khairudl Anuar	2022	Main Supervisor	Completed
22.	Aplikasi Workout Virtual Trainer	Muhammad Hani Hanafi bin Azhar	2022	Main Supervisor	Completed
23.	Aplikasi E-Matrik Kad Pelajar	Arief Hakimi bin Norjazzizam	2022	Main Supervisor	Completed

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.	A System for Real-time Wave Energy Detection and Early Warning	Member	Jun 2018 – May 2020	KeTTHA – RM 250,000	In Progress
2.	Social Media Election? Analyzing The Performance of Campaign-Related Interactions On Facebook	Principal	April 2018 – Mac 2020	UPNM Short Grant – RM 5,000	Completed
3.	Illuminance Relative Density for Bad Weather Image Destoration	Member	July 2019 – June 2020	UPNM Short Grant – RM 20,000	Completed
4.	Compatibility Study of AWG for Military and Disaster Support	Member	Jan 2019 – Jan 2021	UPNM Self Fund	In Progress
5.	Secure Disaster Management Support System for Malaysia	Member	Jan 2019 – Jan 2021	UPNM Self Fund	In Progress
6.	Measurement and Characterization of Heterogeneous Network Traffic Utilization using Simulation Modelling	Member	May 2018 – Nov 2019	UPNM Self Fund	Completed
7.	Securing Communication Network based on New Industry Encryption Method	Member	Dec 2016 - Nov 2018	UPNM Short Grant – RM 50,000	Completed
8.	UPNM Clinic Management System (UCMS)	Member	Sept 2019 – Sept 2021	UPNM Short Grant – RM75,600	In Progress
9.	Sistem Smart Pigeon Hole menggunakan Khidmat Pesanan Ringkas	Member	Jan 2020 – Jan 2021	UPNM Self Fund	In Progress
10.	Memupuk kesedaran dan keselamatan <i>Facebook</i> di kalangan remaja di Malaysia: Kajian kes di Sek. Men. Islam Al- Amin Gombak, Selangor Security Awareness Program on Facebook	Member	July 2012 – June 2013	KTP - RM51,819.00	Completed

No.	Title	List of Researchers • Principal • Members	Grant Year	Source Amount	Status • Completed • In Progress
	Usage among Teenagers in Malaysia: Case studies in Sek. Men. Islam Al- Amin Gombak, Selangor.				
11.	Digital Pedagogy For Higher Education In Disrupted Setting: A Future Framework For New Time	Member	Sept 2021 – Sept 2023	FRGS – RM 75,000	In Progress

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 • ISI • SCOPUS • Peer-Reviewed
1.	Mohammad Adib Khairuddin , Mohd Afizi Mohd Shukran, Kamaruzaman Maskat, Mohd Rizal Mohd Isa, “ <i>Consumers Perception on Prepaid Cards: Survey and Analysis</i> ”, Modern Applied Science, Canadian Center of Science and Education, vol. 6. No. 1, pp. 131, 2012.	SCOPUS
2.	Kamaruzaman Maskat, Mohd Afizi Mohd Shukran, Mohammad Adib Khairuddin , Mohd Rizal Mohd Isa, “ <i>Mobile Agents in Intrusion Detection System: Review and Analysis</i> ”, Modern Applied Science, Canadian Center of Science and Education, vol. 5, no. 6, 2011.	SCOPUS
3.	MA Khairuddin , “Power of posts: a quantitative analysis of Facebook election campaigning interactions” Bulletin of the Australian Mathematical Society Vol. 96, No. 2, p345-347, 2017.	SCOPUS
4.	Mohd Rizal Bin Mohd Isa, Mohd Afizi Mohd Shukran, Mohammad Adib Khairuddin , Yuhanim Hani Binti Yahaya, Mohd Hazali Mohamed Halip, Kamaruzaman Maskat, “ <i>The Design of Fingerprint Biometric Authentication on Smart Card for PULAPOT Main Entrance System</i> ”, International Journal of Advancements in Computing Technology (IJACT) Vol. 4, No.16, 2012.	SCOPUS
5.	MA Khairuddin , A Rao, “Significance of likes: Analysing passive interactions on Facebook during campaigning”, PloS one Vol. 12, No. 6, e0179435, 2017.	SCOPUS
6.	Mohd Rizal Mohd Isa , Salem Aljareh, Zaharin Yusoff, “ <i>A Watermarking Technique to Improve the Security Level in Face Recognition Systems</i> ”, Multimedia Tools and Applications – Springer Journal, Dec 2016	SCOPUS

7.	Mohd Afizi Mohd Shukran, Muhammad Naim Abdullah, Mohd Rizal Mohd Isa, Mohd Nazri Ismail, Kamaruzaman Maskat, Mohammad Adib Khairuddin , "Developing A Framework for Accident Detecting and Sending Alert Message Using Android Application", International Journal of Engineering & Technology, Vol. 7, No. 4.29, pp. 66-68, 2018.	SCOPUS
8.	Puteri N.E Nohuddin, RA Ismail, Mohd Rizal Mohd Isa , "Knowledge management in military: A review for Malaysian Armed Forces' communities of practice ", Journal of Convergence Information Technology (JCIT), Vol. 7, No. 6, pp. 178 ~ 184, 2010.	SCOPUS
9.	Mohd Nazri Ismail, Mohd Afizi Mohd Shukran, Mohd Rizal Mohd Isa, Mohammad Adib Khairuddin , Omar Zakaria, "Establishing a soldier wireless sensor network (WSN) communication for military operation monitoring", International Journal of Information Technology Vol. 9, No. 1, pp. 89-95, 2018.	ISI
10.	Mohd Nazri Ismail, Mohd Afizi Mohd Shukran, Mohd Rizal Mohd Isa, Mohammad Adib Khairuddin , "Performance Analysis of Different Audio Video Codecs for Wireless and Wired VOIP", International Journal of Engineering & Technology, Vol. 7, No. 4.29, pp. 251-254, 2018.	SCOPUS - PENDING
11.	Mohd Nazri Ismail, Mohd Afizi Mohd Shukran, Mohd Rizal Mohd Isa, Mohammad Adib Khairuddin , Omar Zakaria, "Development of Wireless Sensor Network (WSN) and Mobile Ad-hoc Network (MANET) Communciation for Military Operation and SAR (Search and Rescue) Operation", International Journal of Engineering & Technology, Vol. 7, No. 4.29, pp. 247-250, 2018.	SCOPUS - PENDING
12.	Mohd Rizal Mohd Isa, Muhammad Naim Abdullah, Omar Zakaria, Mohd Nazri Ismail, Mohammad Adib Khairuddin , Kamaruzaman Maskat, Mohd Afizi Mohd Shukran, Mohd Fahmi Mohamad Amran, "Securing WSN and MANET communication for military operation based on ECC algorithm", International Journal of Engineering & Technology, Vol. 7, No. 4., pp. 6731-6734, 2018.	SCOPUS - PENDING
13.	Mohammad Adib Khairuddin , Mohd Rizal Mohd Isa, Kamaruzaman Maskat, Mohd Afizi Mohd Shukran, Mohd Nazri Ismail, Mohd Fahmi Mohamad Amran, Muhammad Naim Abdullah, "An Active and Popular Facebook Page Equals Better Chances of Winning an Election? The 2013 Malaysian General Election Case", International Journal of Engineering & Technology, Vol. 7, No. 4.29, pp. 260-265, 2018.	SCOPUS - PENDING
14.	Amran, M.F.M., Shukran, M.A.M., Yunus, M.S.F.M., Zakaria, O., Yusop, N.M.M., Ismail, M.N., Isa, M.R.M., Khairuddin, M.A. , Maskat, K., Kathiravan, Y., "Testing design for pixel value graphical password scheme on image specimens", International Journal of Recent Technology and Engineering, 8 (2 Special Issue 8), pp. 1475-1478, 2019.	SCOPUS
15.	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, Norshahriah Wahab, Norulzahrah Mohd Zainudin, Putri Nurshamiera Natasha Azizan Shah, "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, 2019.	SCOPUS

16.	Yamunah Kathiravan, Mohd Fahmi Mohamad Amran, Noor Afiza Mat Razali, Mohd Afizi Mohd Shukran, Norshahriah Abdul Wahab, Mohammad Adib Khairuddin , Mohd Nazri Ismail, Zuraidy Adnan, Muhammad Fairuz Abd Rauf, "A Study On Private Browsing In Windows Environment", Zulfaqar Journal of Defence Science, Engineering & Technology, Vol. 3, Issue 1, 2020	PEER-REVIEWED (ZULFAQAR)
17.	Azmi Bin Mustafa Sulaiman, Mohd, Mohammad Adib Khairuddin , Mohd Rizal Mohd Isa, Mohd Nazri Ismail, Mohd Afizi Mohd Shukran, and Aznida Abu Bakar Sajak. "SIEM Network Behaviour Monitoring Framework using Deep Learning Approach for Campus Network Infrastructure." International journal of electrical and computer engineering systems Special Issue (2021): 9-21.	SCOPUS
18.	Afizi Mohd Shukran, Mohd, Mohd Sidek Fadhil Mohd Yunus, Mohd Rizal Mohd Isa, Fatimah Ahmad, Muhammad Naim Abdullah, Syed Muzzameer Syed Zulkiplee, Mohammad Adib Khairuddin et al. "Pixel Value Graphical Password Scheme: K-Means as Graphical Password Fault Tolerance." International journal of electrical and computer engineering systems Special Issue (2021): 23-29.	SCOPUS
19.	Hasmeda Erna Che Hamid, Noor Afiza Mat Razali, Mohd Nazri Ismail, Mohammad Adib Khairuddin , and Mohd Rizal Mohd Isa , "A review paper: Forecasting of flood in Malaysia using machine learning", AIP Conference Proceedings 2617, 020012 (2022).	SCOPUS
20.	Suhaila Ismail, Mohd Nazri Ismail, Arniyati Ahmad, and Mohammad Adib Khairuddin , "Exploring the information security culture within industrial control systems organisations: Expert reviews", AIP Conference Proceedings 2617, 050005 (2022).	SCOPUS
21.	Shukran, M. , Mohd Yunus, M. , Abdullah, M. , Isa, M. , Khairuddin, M. , Maskat, K. , Ismail, S. and Shibghatullah, A. (2022) Survey on Clustering Techniques for Image Categorization Dataset. Journal of Computer and Communications, 10, 177-185.	PEER-REVIEWED
22.	Mustafa, M. F. ., Mohd Isa, M. R. ., Abdul Rauf, U. F. ., Ismail, M. N. ., Mohd Shukran, M. A. ., Khairuddin, M. A. . , Wahab, N. ., & Mohd Safar, N. Z. . (2021). STUDENT PERCEPTION STUDY ON SMART CAMPUS: A CASE STUDY ON HIGHER EDUCATION INSTITUTION. Malaysian Journal of Computer Science, 1–20.	SCOPUS

2.2.2 Book/Chapter in Book:

(Please list in chronological order and state: authors, year, title, publisher, 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.	Mohd Hazali Mohamed Halip, Nor Fatimah Awang, Yuhanim Hani Yahaya, Mohammad Adib Khairuddin , Syahrudin A Ghani, 2011, Buku Panduan Latihan Industri, Jab. Sains Komputer, FSTP, UPNM	University
2.	Mohd Nazri Ismail, Mohammad Adib Khairuddin , 2019, Information Security Management Lesson & Tutorials Modules, FSTP, UPNM	University
3.	Mohammad Adib Khairuddin , Social Media Influence on Election Campaign, 2023, UPNM Press	National

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.	Mohd Rizal Mohd Isa, Yuhanim Hani Yahya, Mohd Hazali Mohamed Halip, Mohammad Adib Khairuddin , Kamaruzaman Maskat, "The Design of Fingerprint Biometrics Authentication on Smart Card for PULAPOT Main Entrance Systems", ITSIM2010, KLCC, Kuala Lumpur, Dec 2009.	International
2.	Mohd Rizal Mohd Isa, Mohammad Adib Khairuddin , Kamaruzaman Maskat, Mohammad Mohd Nor, "Aplikasi Password Generator Berasaskan Pengetahuan yang berkaitan dengan Pekerjaan Pengguna", Kolokium FSTP 2010, Pusat Marin, UPNM, Jan 2011	University
3.	Mohd Afizi Mohd Shukran, Muhammad Naim Abdullah, Mohd Nazri Ismail, Kamaruzaman Maskat, Mohd Rizal Mohd Isa, Mohd Shahfee Bin Ishak, Mohammad Adib Khairuddin , "Designing Intelligent Secure Android Application for Effective Chemical Inventory", International Research and Innovation Summit 2017, Kings Green Hotel, Melaka, Malaysia, May 2017.	International
4.	Mohd Afizi Mohd Shukran, Muhammad Naim Abdullah, Mohd Nazri Ismail, Kamaruzaman Maskat, Mohd Rizal Mohd Isa, Mohd Shahfee Bin Ishak, Mohammad Adib Khairuddin , "Study of Intelligent Secure Chemical Inventory Management System", International Research and Innovation Summit 2017, Kings Green Hotel, Melaka, Malaysia, May 2017.	International
5.	Mohammad Adib Khairuddin , Mohd Afizi Mohd Shukran, Kamaruzaman Maskat, "An Analysis on Prepaid Cards in Australia IT Industry", ICIII 2012, Singapura	International

6.	Mohd Afizi Mohd Shukran, Mohammad Adib Khairuddin , Kamaruzaman Maskat, "Recent Trends in Data Classifications", ICIII 2012, Singapura	International
7.	Kamaruzaman Maskat, Mohd Afizi Mohd Shukran, Mohammad Adib Khairuddin , "Using Agent Based SNORT in Intrusion Detection Systems", ICIII 2012, Singapura	International
8.	M. A. Khairuddin , P. Zhang and A. Rao, "Risk Mitigation Strategies for the Prepaid Card Issuer in Australia", Proceedings of The 6th Australian Information Security Management Conference 2008, Edith Cowan University, Perth, Australia	International
9.	Jessica Liebig, Mohammad Adib Khairuddin , Asha Rao, "Online election campaigning: Identifying political parties using likes and comments", Proceedings of the 5th International Workshop on Complex Networks and their Applications (COMPLEX NETWORKS 2016), 2016, Italy	International
10.	Mohd Afizi Mohd Shukran, Muhammad Naim Abdullah, Mohd Nazri Ismail, Kamaruzaman Maskat, Mohd Rizal Mohd Isa, Muhammad Shahfee Ishak and Muhamad Adib Khairuddin , "Designing Intelligent Secure Android Application for Effective Chemical Inventory", Published under licence by IOP Publishing Ltd., IOP Conference Series: Materials Science and Engineering, Volume 226, conference 1.	International
11.	Mohd Afizi Mohd Shukran, Muhammad Naim Abdullah, Mohd Nazri Ismail, Kamaruzaman Maskat, Mohd Rizal Mohd Isa, Muhammad Shahfee Ishak and Muhamad Adib Khairuddin , "Study of Intelligent Secure Chemical Inventory Management System", Published under licence by IOP Publishing Ltd., IOP Conference Series: Materials Science and Engineering, Volume 226, conference 1.	International

2.3 Presentation:

(Please list in chronological order)

No.	Event	Title of Paper Presented	Role (Keynote Speaker / Invited Speaker / Presenter)	Date	Organizer
1.	"Computer Security" talk and sharing session	Social Media: Current Issues and Potential Research Areas	Invited Speaker	02 August 2019	SEGi University
2.	Kursus Kesedaran Keselamatan ICT "ICT Security Awareness Course"	ICT Security Awareness	Invited Speaker	24 June 2020	Jab. Pendaftar, UPNM

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.	International Journal of Advancements in Computing Technology - Reviewer	2011	International	The International Association for Information, Culture, Human and Industry Technology
2.	Journal of Convergence Information Technology - Reviewer	2011	International	The International Association for Information, Culture, Human and Industry Technology
3.	Advances in Information Sciences and Service Sciences - Reviewer	2012	International	The International Association for Information, Culture, Human and Industry Technology
4.	Invention, Innovation and Technology Exhibition (ITEX) 2016 - Silver	2016	International	MINDS – Malaysia Invention and Design Society KLCC, Kuala Lumpur
5.	Journal of Advances in Information Sciences and Service Sciences - Reviewer	2017	International	The International Association for Information, Culture, Human and Industry Technology
6.	PECIPTA 2017 – Bronze	2017	International	Ministry of Higher Education, Malaysia
7.	Anugerah Perkhidmatan Cemerlang (APC)	2017	National	Universiti Pertahanan Nasional Malaysia (UPNM)
8.	Anugerah Skim Insentif Hasil Penyelidikan dan Inovasi	2017	National	Universiti Pertahanan Nasional Malaysia (UPNM)
9.	Defence Security and Sustainability 2017 (DSS 2017) – Gold Medal	2017	National	Universiti Pertahanan Nasional Malaysia (UPNM)
10.	International Conference on Information and Communication Technology – 2018 (ICICTM'18) – Best Paper Award Category: Big Data	2018	International	UniKL and UPNM
11.	Invention, Innovation and Technology Exhibition (ITEX) 2019 - Silver	2019	International	MINDS – Malaysia Invention and Design Society KLCC, Kuala Lumpur
12.	Defence, Security and Sustainability 2019 (DSS 2019) Exhibition - Two Golds	2019	International	Universiti Pertahanan Nasional Malaysia (UPNM)

13.	Copyrighted - Operating Systems and Networks Teaching Module – File Num: LY2017005889	2017	International	MyIPO
14.	Patent Filing – Automated Vehicle Crash Notification – File Num: PI 2018002999	2018	International	MyIPO
15.	Copyrighted - Designing of Explicit Military Knowledge Based System Using Big Data Approach – File Num: LY2017005890	2017	International	MyIPO
16.	Copyrighted - Development of Heterogeneous Network Services Framework in IoT Environment – File Num: LY2018006067	2018	International	MyIPO

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.	Soul Smart Solution Sdn. Bhd.	2019 – 2024			5 years
2.	Compudyne Sdn. Bhd.	2020-2025			5 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.	Membership	Position	Duration
1	Head, Computer Science Department	HoD	Jan 2018 – Dec 2019
2	JTICT – ICT Technical Committee	Chairman	Jan 2018 – Dec 2019
3	JPPA - Academic Development And Management Committee	Member	Jan 2018 – Dec 2019
4	International Conference on Information and Communication Technology 2018 (ICICTM'18)	Programme Co-Chair & Session Chair	2018
5	International Conference on Information and Communication Technology 2018 (ICICTM'18) – Publication Committee	Team Leader	2018

6	International Conference on Information and Communication Technology – 2018 (ICICTM'18)	Reviewer	2018
7	International Conference on Information and Communication Technology – 2018 (ICICTM'18)	Presenter	2018
8	FSTP Graduate Studies Committee	Member	Jan 2018 – Dec 2019
9	FSTP Academic Committee	Member	Jan 2018 – Dec 2019
10	FSTP Conferences Committee	Member	Jan 2018 – Dec 2019
11	FSTP Examinations Committee	Member	Jan 2018 – Dec 2019
12	FSTP Study Leaves Committee	Member	Jan 2018 – Dec 2019
13	FSTP Human Resource Management Committee	Member	Jan 2018 – Dec 2019
14	FSTP e-Learning Committee	Member	2017
15	MQA Full Program Accreditation Visit - FSTP	Liaison Officer	2017
16	FSTP Risk Management Committee	Member	2018-2020
17	Computer Science Department, FSTP 2u2i Program Committee	Member	2018-2020
18	FSTP KTP Grant Proposal	Assessor	2017
19	FSTP MQA02 Document Preparation Committee for ZC20 (MQA/FA 9058) and ZC27 (MQA/FA 9059)	Member	2017-2018
20	Operating Systems MOOCs	Developer	2018
21	Introduction to Information Technology & Security MOOCs	Developer	2018
22	Huawei Enterprise Solutions Exhibition	Member	2017
23	UPNM-Eurecom Working Committee for MSc Digital Security	Member	2017-2022
24	UPNM-Eurecom Working Committee for MSc Digital Security	Selection Panel	2018
25	UPNM Convocation 2017	Academic Procession	2017
26	UPNM Convocation 2018	Academic Procession	2018
27	2018/2019 Academic Students Selection for UPNM Programs	Interviewer and Secretariat	2018
28	UPNM-Eurecom Human Capital Training for MSc Digital Security Program Development	Member	2019
29	AIICT – ICT Innovation Award	Assessor	2019

30	Industry Collaboration Workshop: IHI Corp.	Participant	2019
31	Jom Masuk IPT 2019 Carnival	Participant	2019
32	Huawei Education Bootcamp	Participant	2018
33	Benchmarking Visit to UTHM for Smart Classroom Requirements	Participant	2019
34	2019 FSTP Dinner Event	Secretariat	2019
35	UPNM 5 th Innovation Day Internal Auditing and Jury Committee	Member	2019
36	UPNM MQA01 Documents Preparation Committee for Dip. Cyber Intelligence and Management	Member	2019-2020
37	KIK (Innovative and Creative Group) Project – JV between Language Center & FSTP	Group Member	2019
38	UPNM Graduates Colloquium	Assessor	2017
39	UPNM Graduates Colloquium	Assessor	2018
40	FSTP Special Interest Group – IoT and 4IR	Member	2018
41	FSTP Specification and Technical Review Committee	Member	2018
42	UPNM Quotation Specification and Technical Review Committee – UPNM(PB)03.02/01(2018)(1)	Member	2018
43	UPNM Tender Specification and Technical Review Committee – UPNM(PB)02.13/03/08/2019	Chairman	2019
44	UPNM Tender Pricing Review Committee – UPNM(PB)03.03/01(2017)(6)	Member	2017
45	Murabbi Excellence Development Program Series 1/2017	Participant	2017
46	2018 JSK Pre-Industrial Training Workshop	Speaker	2018
47	SD101: Leadership in University-Community Engagement	Participant	2018
48	Thesis to Book Publication Workshop	Participant	2019
49	Industrial Training Session 2017/2018	Academic Supervisor	2017
50	2018/2019 First Year Students Poster Presentation – TST 3253 Systems Analysis and Design Course	Assessor	2019
51	2017/2018 Second Year Students Group Projects	Supervisor	2018
52	UPNM Final Exams For Degree Program	Inspector	2016-2019
53	UPNM Final Exams for Foundation/ Diploma Program	Inspector	2016-2019

54.	TSB 3423 – Information Security Management Lesson & Tutorial Modules	Developer	2018-2019
55.	Committee on Improving the Teaching and Learning for CSD Laboratories – RMK11	Chairman/ Coordinator	2019-2020

3.4 Service to the community

(Please list in chronological order)

No.	Organization	Role	Start Date	End Date	Level
1.	Victoria Malaysia Postgraduate Association - VMPGA	IT & Communication Team Leader	2013	2014	International
2.	Tunku Kurshiah College Academic Support Bureau for Batch 1923	Member	2019	2020	National
3.	Kelab FSTP	President	2018	2019	Faculty
4.	International Computer Science and Engineering Society (ICSES)	Member #7013	2019	-	International
5.	International Association of Engineers	Member #247227	2019	-	International