CURRICULUM VITAE

I. PERSONAL PARTICULARS

Name	Dr. Mohd Fahmi bin Mohamad Amran
Current Position **Faculty / Department**	Associate Professor (DS54)/ Deputy Dean (Academics and Undergraduate) Department of Computer Science Faculty Defence Science and Technology

II. ACADEMIC AND PROFESSIONAL QUALIFICATIONS

Year	Degree	Discipline	University
Nov 2004	Bachelor of Science with Honours	Computer Science	Universiti Teknologi Malaysia (UTM)
June 2006	Master of Science	Information Technology	Universiti Teknologi Malaysia (UTM)
Oct 2013	PhD of Philosophy	Visual Informatics	Universiti Kebangsaan Malaysia (UKM)

III. WORK EXPERIENCE

Year	Position	Organisation	Start and End Date
2005	Teaching Assistant	Universiti Teknologi Malaysia (UTM)	March 2005 – Sept 2005
2006	Programmer	Authentic Venture Sdn. Bhd.	Jul 2006 – Aug 2006
2006 - 2014	Lecturer	Universiti Selangor (UNISEL)	Dec 2006 – Apr 2014
2014 - 2016	Head of Department/Senior Lecturer	Universiti Selangor (UNISEL)	May 2014 – Mar 2016
2016 – present	Senior Lecturer	Universiti Pertahanan Nasional Malaysia	Mar 2016 – present
2017 – 2019	Research Fellow	Pusat Keselamatan Siber (PKS), UPNM	Feb 2017 – Feb 2019

2020 – 2022	Head of Department (Computer Science)	UPNM	Jan 2020 – Sept 2022
2022	Visiting Lecturer	Eurecom Institute, Nice France	Sept 2022 – Dec 2022
2023 - 2024	Deputy Dean (Academics and Undergraduate)	UPNM	Jan 2023 – Dec 2024

1.0 TEACHING AND SUPERVISION

1.1 Postgraduate Courses

No.	Course Title	Semester	Year
1	Special Topics in IT	Semester I	2015
2	Managing IT Resources	Semester II	2016
3	Information Technology for Managers	Semester II	2018

1.2 First Degree Courses

No.	Course Title	Semester	Year
1.	TSI 3223 Knowledge Based System	Semester I	2016/17
2.	TSK 1123 Database Systems	Semester II	2016/17
3.	TSJ3213 Matematik Diskret	Semester I	2017/18
4.	TSK3263 Database Systems	Semester II	2017/18
5.	TSB3333 Web Programming	Semester I	2018/19
6.	FCS0634 Information Technology	Semester I	2018/19
7.	TSI3713 Multimedia	Semester II	2018/19
8.	TSI 3743 Operational Research	Semester III	2018/19
9.	TSJ3213 Matematik Diskret	Semester I	2019/20
10.	FCS0634 Information Technology	Semester I	2020/21

No.	Course Title	Semester	Year
11.	FCS0634 Information Technology	Semester II	2020/21
12.	FCS0634 Information Technology	Semester I	2021/22
13.	FCS0634 Information Technology	Semester II	2021/22
14.	TST 3283 Ethics and Professionalism in ICT	Semester III	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 II	2016/17
2.	TDK2313 Literasi Komputer	Semester III	2017/18
3.	TDK0013 Computer Literacy	Semester II	2018/19
4.	TDK1223 IT Management	Semester II	2018/19
5.	TDK1223 IT Management	Semester V	2018/19
6.	TDK0013 Computer Literacy	Semester I	2019/20

1.4 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.	Sharifah Nabila binti S Azli Sham	IoT Attacks Prediction using Hybrid Machine Learning Techniques in Smart City Security Framework	2022	Co-Supervisor	**In progress**	UPNM

2.	Nurul Natasha Awinda Binti Mohammad Nizam	Eeg Signals Analysis To Classify Emotions And Level Of Performance Within Sports Athletes	2021	Main Supervisor	**In progress**	UPNM
3.	'Atifah Hanim binti Rosli	User Experience and Gamification in Online Teaching and Learning using IoT	2021	Co-Supervisor	**In progress**	UPNM
4.	Mohd Afiq bin Zamanhuri	Usability Framework of Mixed Reality and Distance Learning in Military Decision Making	2021	Co-Supervisor	**In progress**	UPNM
5.	Nooraida binti Samsudin	Skema Euler bagi Persamaan Terbitan Biasa (PTB)	2017	Co-Supervisor	**Completed**	UPNM
6.	Mohd Sidek Fadhil bin Mohd Yunus	A Novel Graphical Password Clustering Method For Fault Tolerance Mechanism	2018	Co-Supervisor	**Completed**	UPNM
7.	Zuraidy bin Adnan	Sentiment Threat Analysis Model On Social Network Using Text	2017	Supervisor	In Progress	UPNM

		Mining Technique				
8.	Muhammad Fairuz bin Abd Rauf	Refining Parkinson's Disease Patients Quality of Life (QoI) Through Implementati on of Kinect	2017	Co-Supervisor	In Progress	UNISEL
9.	Suhaimi bin Mohd Noor	Conceptual Framework of Augmented Reality Display in Digital Photography Techniques	2017	Co-Supervisor	In Progress	UNISEL
10.	Nur Razia bt Mohd Suradi	Improved of Value-Based Requirements Prioritization Techniques for Software Product Management	2017	Co-Supervisor	In Progress	UNISEL
11.	Mohammad Ashri Abu Hassan	Applying Canny on Bone Joint to Calculate Bone Density using Sample Line Histogram Method	2017	Co-Supervisor	In Progress	UNISEL

1.5 PhD External/Internal Examination

(Please list in chronological order)

No.	Name of Student	Project Title	External / Internal	Date of Viva	University
1.	Lucy Chairoel	ICT Adoption Affecting Organization Performance in Indonesia's SMEs (PhD)	Internal	2014	Unisel

1.6 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.	Yamunah Kathiravan	Enhancement of Web Browser Encryption for Counter Digital Forensics Technique	2018	Supervisor	**Completed**	UPNM
2.	Venothanee Sundra Mohan	A Study on Emotion Classifications in EEG Signals Emotion Classifications in Electroencephalogram (EEG) Signals	2019	Supervisor	**Completed**	UPNM

1.7 MSc External/Internal Examination

(Please list in chronological order)

No.	Name of Student	Project Title	External / Internal	Date of Viva	University
1.	Azilayati Osman	Equipment Monitoring System (Master)	Internal	2010	Unisel
2.	Kamalrufadillah Bin Sutling	The Influence of Project Manager Behaviour in Determine Agile Software Development Project Success (Master)	Internal	2014	Unisel
3.	Muhammad Naim Abdullah	Research on Automated Vehicle's Crash Notification using Android Application (Master)	Internal	2017	UPNM
4.	Nursyafeera Azeera Bt Ibrahim	Model of Mission Critical Multiple Clients and Single Server Operation for Failure Detection and Recovery System	Internal	2018	UPNM

1.8 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.	Mohamad Izany Bin Farizan	Aplikasi mudahalih pemantauan gadget	2017	Main Supervisor	Completed
2.	Muhammad Nur Iqmal Bin Shaiful Bahrin	Arduino GSM GPS Tracker and Security	2017	Main Supervisor	Completed
3.	Nur Atiqah Binti Zakaria	Sistem Pembayaran Menggunakan Kad	2017	Main Supervisor	Completed

		Matrik Pelajar (i-Matric)			
4.	Mohamad Firdaus Bin Norhaizar	Sistem Pengurusan Peralatan PUZIDA	2018	Main Supervisor	Completed
5.	Muhammad Nur Aiman Bin Adam	Sistem Pengurusan Kursus PUZIDA	2018	Main Supervisor	Completed
6.	Mohamad Ikhmal Bin Ramzi	Aplikasi mudahalih pembelajaran Bahasa Arab	2019	Main Supervisor	Completed
7.	Muhamad Fathan Bin Jasmi	Sistem Tempahan Makmal Komputer FSTP	2020	Main Supervisor	Completed
8.	Ahmad Rabbani Bin Omar	Sistem Pembayaran Pengecasan Telefon Menggunakan RFID dan Semakan melalui Aplikasi Android	2020	Main Supervisor	Completed
9.	Mohammad Asraf Bin Abd Samad	Sistem Aplikasi Fateh Link	2020	Main Supervisor	Completed
10.	Muhammad Hassan Basri Bin Husin	Aplikasi Pendaftaran dan Pembelian Kupon Gym	2021	Main Supervisor	Completed
11.	Muhammad Khairul Hisyam Bin Khairudin	Aplikasi Asas Pembelajaran Kawad	2021	Main Supervisor	Completed
12.	Mohamad Amirul Ashraff Bin Abd. Malik	Sistem Penilaian Awal Hipertensi	2022	Main Supervisor	Completed
13.	Muhammad Danial Bin Dainil	Sistem Pra Penilaian Asma	2022	Main Supervisor	Completed
14	Danesh Kumar Krishna	Influence of Perceived Security and Usefulness towards E-Wallet Acceptance among Royal Malaysian Air Force Personnel	2022	Main Supervisor (Postgraduate Research Project)	Completed
15.	Khairul Mizam Bin Yusof	Cybersecurity Awareness:	2022	Main Supervisor	Completed

		Guidelines For Royal Malaysian Navy (RMN)			(Postgraduate Research Project)	
16.	Suriatie Bt Alias	Personnel Privacy And Organisational Data: The Awareness and Policy Enforcement for Smartphone Security among The Malaysian Armed Forces Personnel	2022		Main Supervisor (Postgraduate Research Project)	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 Pixel Value Password Scheme on Mobile Devices for Access Control Applications	Principal	Dec 2016-Nov2018	45,000	Completed
2.	Development of Knowledge - Based Software with enhanced Situational Awareness Analysis for Infantry Personnel	Member	Dec 2013 - Dec 2018	981,940	Completed
3.	Securing Communication Network Based On New Industry Encryption Method	Member	Dec 2016-Nov2018	50,000	Completed
4.	Semantic-based Malay Grammar for Social Network Threat Analysis	Member	Dec 2016-Nov2018	40,000	Completed
5.	UPNM Smart Greenhouse Prototype Accomodate By	Member	Dec 2016-Nov2018	20,000	Completed

No.	Title	List of Researchers • Principal • Members	Grant Year	Source Amount	Status • Completed • In Progress
	Internet Of Thing Technology				
6.	Kajian Dinamika Sosio Politik di Selangor	Member	Mac 2017 - Jun 2017	35,800.00	Completed
7.	A System for Real-time Wave Energy Detection and Early Warning	Member	Jun 2018 – May 2020	KeTTHA – RM 250,000	Completed
8.	Improvement On Rehabilitation Process For Parkinson Patient Using Exergames (Exercise Game)	Member	April 2018 – March 2020	20,000	Completed
9.	The Effectiveness Of Electroencephalogram-Neurofeedback (EEG-NF) For Measuring Peak Performance Military Training	Member	April 2018 – March 2020	20,000	Completed
10.	Prototyping Digital Tongue Diagnosis System On Raspberry-Pi For Smart Military Healthcare System	Member	Dec 2018 – Dec 2020	20,000	Completed
11.	Data Quality Assessment In Big Data Analytics Application Based On Pls-Adaptive Neuro-Fuzzy Inference	Member	Dec 2018 – Dec 2020	20,000	Completed
12.	Security Enhancement Of Private Browsing Mode With Encryption For Counter Digital Forensics Technique	Member	July 2019 – June 2021	5,000	Completed
13.	UPNM Clinic Management System	Member	September 2019 – September 2021	75,600	Completed
14	Modelling Emotion Mining for National Security Threats in Cyberspace	Member	July 2020 – Jun 2022	20,000	Completed
15.	Recognizing the Electroencephalogram (EEG) Waveform of	Principal	July 2021 – Jun 2023	20,000	In Progress

No.	Title	List of Researchers • Principal • Members	Grant Year	Source Amount	Status • Completed • In Progress
	Students Emotions Level and Performance Level during Classroom Interaction				
16.	A Multi-Swarm Particle Swarm Optimization Algorithm for Feature Selection in Drug Review based on Medical Sentiment Lexicon Analysis	Member	July 2021 – Jun 2023	20,000	In Progress
17.	Virtual Reality (VR) Application to Improve Health-Care Workers Preparedness in Pandemic Management	Member	Oct 2021 – Sept 2022	61,000	Completed
18.	Support Vector Machine Regression Model for Inverse Kinematic Motion Control of Automation Robotics	Member	Sept 2021 – Aug 2023	75,200	In Progress
19.	Mobile Health Application Moel User Experience towards Effectiveness of Asthma Management	Member	Sept 2022 – Aug 2024	20,000	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.	Riza Sulaiman, **Mohd Fahmi Mohamad Amran** and Nur Amlya Abd Majid. 2012. "A Study on Information Extraction Method of	SCOPUS

	Engineering Drawing Tables". International Journal of Computer Applications 50(16):43-47, July 2012.	
2.	Suziyanti Marjudi, Riza Sulaiman, Saliyah Kahar, **Mohd Fahmi Mohamad Amran** and Asma' Yusoff. "A Study on Data Exchange Method in Food Packaging CAD System". International Journal of Computer and Electrical Engineering (IJCEE). P.p 864-866. ISSN: 1793-8163.	SCOPUS
3.	**Mohd Fahmi Mohamad Amran**, Riza Sulaiman, Suziyanti Marjudi, Saliyah Kahar and Zuraidy Adnan, "Extraction Method of Version Number in Engineering Drawing," Applied Mechanics and Materials, Vol. 110-116, pp. 4856-4860, 2012.	SCOPUS
4.	**Mohd Fahmi Mohamad Amran**, Riza Sulaiman, Suziyanti Marjudi and Saliyah Kahar, 2012. "A Study on Extraction Method of Non Geometry Information in Engineering Drawing Title Block," Advanced Materials Research, Vol. 383-390, pp. 995-99, 2012.	SCOPUS
5.	**Mohd Fahmi Mohamad Amran**, Riza Sulaiman, Saliyah Kahar, Suziyanti Marjudi and Muhammad Fairuz Abd Rauf 2012. A Proposed Information Extraction Technique in Engineering Drawing for Reuse Design. International Journal of Social and Human Sciences 6: 265-269.	SCOPUS
6.	Khairul Annuar Abdullah, Wan Azlan Wan Hassan, **Mohd Fahmi Mohamad Amran**, Suziyanti Marjudi, Norhawani Ahmad Teridi, Zuriati Yusof. 2012. Implementations of Spreadsheet Modeling for Generalized Critical Path Method. Management Science and Engineering. Vol. 6, No. 4, 2012, pp. 120-125.	SCOPUS
7.	Suziyanti Marjudi, Riza Sulaiman, Nur Amlya Abdul Majid, **Mohd Fahmi Mohamad Amran**, Muhammad Fairuz Abd Rauf, Saliyah Kahar, 2013. QFD in Malaysian SMEs Food Packaging CAD (PackCAD) Testing, Procedia Technology, v. 11 pp. 518-524, ISSN 2212-0173.	SCOPUS
8.	Zuraidy Bin Adnan, Azmi Bin Ibrahim, Khairul Annuar Bin Abdullah, Nor Azliana Akmal Binti Jamaludin, **Mohd Fahmi Bin Mohamad Amran**, 2015. Long Term Effects Using Biological Control in Palm-Oil Ecosystem. International Journal of Agriculture Innovations and Research, Volume 3 Issue 4, pp. 1169-1174, ISSN 2319-1473.	Peer-Reviewed
9.	Zuraidy Bin Adnan, Khairul Annuar Bin Abdullah, **Mohd Fahmi Bin Mohamad Amran**, Nor Azliana Akmal Binti Jamaludin, Azmi Bin Ibrahim, 2015. Comparison Of Empirical And Simulated Prey-Predator Models In Biological Control Technique. Journal of Multidisciplinary Engineering Science and Technology (JMEST) Vol. 2 Issue 1, pp. 274-278. ISSN 3159-0040.	Peer-Reviewed
10.	Raja Mohd Tariqi Raja Lope Ahmad, **Mohd Fahmi Mohamad Amran**, Zalinda Othman and Muriati Mukhtar, 2015. Validation of ERP Implementation Framework for Private Institution of Higher Learning (PIHL) in Malaysia: A Delphi Technique. International Journal of Computer Applications Vol. 116 No. 22, pp. 9-14. ISSN 0975-8887.	Peer-Reviewed

11.	Muhammad Najib Abu Bakar, **Mohd Fahmi Mohamad Amran**, 2015. A Study on Techniques of Person Following Robot. International Journal of Computer Applications Vol. 125 No. 13, pp. 27-30. ISSN 0975-8887.	Peer-Reviewed
12.	Muhammad Fairuz Abd Rauf, **Mohd Fahmi Mohamad Amran**, Suziyanti Marjudi, Nur Amlya Abd Majid. 2016. "Rehabilitation Process for Parkinson Disease Patient using Exergames". International Journal of Computer Applications 141(11):1-5, May 2016.	Peer-Reviewed
13.	Yogeswari Suppiah, Raja Mohd Tariqi Raja Lope Ahmad, **Mohd Fahmi Mohamad Amran**, Wan Azlan Wan Hassan @Wan Harun, Suziyanti Marjudi and Azhar Hamid. Awareness and Privacy Perceptions among Social Media User towards Social Data Analytics. International Journal of Computer Applications 155(1):16-21, December 2016.	Peer-Reviewed
14.	Raja Mohd Tariqi Raja Lope Ahmad, Zalinda Othman, Muriati Mukhtar, **Mohd Fahmi Mohamad Amran**, Wan Azlan Wan Hassan @ Wan Harun, Azhar Hamid, Suziyanti Marjudi. Awareness, Perception & Barrier: An Empirical Study of Campus ERP Implementation. Journal of Theoretical and Applied Information Technology 91(2):424-432, September 2016.	SCOPUS
15.	Nurhafizah Moziyana Mohd Yusop, Mohammad Khatim Hasan, **Mohd Fahmi Mohamad Amran** and Muslihah Wook. Investigation on Non-Standard Scheme Applied to Euler and Third Order Euler for Initial Value Problems. International Journal of Computer Applications 155(14):7-10, December 2016.	Peer-Reviewed
16.	Yogeswari Suppiah, Raja Mohd Tariqi Raja Lope Ahmad and **Mohd Fahmi Mohamad Amran**. A Study on Social Data Analytics and Privacy Concern among Social Media Users. International Journal of Computer Applications 149(5):45-49, September 2016.	Peer-Reviewed
17.	Azhar Hamid, Raja Mohd Tariqi Raja Lope Ahmad, Wan Azlan Wan Hassan Wan Harun, Muhammad Hashim, Mohamad Syakiran Muhammad, **Mohd Fahmi Mohamad Amran** and Suziyanti Marjudi. Customer Relationship Management (CRM) Implementation Perception and Barriers for Zakat Institution: Case Study Approach. International Journal of Computer Applications 148(14):17-21, August 2016.	Peer-Reviewed
18.	Suziyanti Marjudi Muhammad Fairuz Abd Rauf **Mohd Fahmi Mohamad Amran** and Nur Amlya Abd Majid. Rehabilitation Process for Parkinson Disease Patient using Exergames. International Journal of Computer Applications 141(11):1-5, May 2016.	Peer-Reviewed
19.	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) 9(2) 29-32, 2017.	SCOPUS
20.	**Mohd Fahmi Mohamad Amran**, Riza Sulaiman, Raja Mohd Tariqi Raja Lope Ahmad, Nurhafizah Moziyana Mohd Yusop, Nor Azliana Akmal	SCOPUS

	Jamaludin, Hassan Mohamed. Entities filtering technique for information extraction in engineering drawing files. Journal of Fundamental and Applied Sciences. 9. 199. 10.4314/jfas.v9i3s.17.	
21.	Nor Azliana Akmal binti Jamaludin, Tengku Sharom bin Tengku Shahdan, Mohd. Nazri bin Ismail, **Mohd. Fahmi bin Mohamad Amran**. Data acquisition based on honeycomb technique to track cyber Islamic States recruitment. Journal of Fundamental and Applied Sciences. 9. 82. 10.4314/jfas.v9i3s.7.	SCOPUS
22.	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
23.	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
24.	Yuhanim Hani Yahaya, Nurhafizah Moziyana Mohd Yusof, **Mohd Fahmi Mohamad Amran**, Muslihah Wook, Norshahriah Wahab. Electroencephalogram-based Controlled Robot as an Attention Level Indicator. International Journal of Engineering & Technology, [S.l.], v. 7, n. 4.33, p. 430-432, Dec. 2018.	SCOPUS
25.	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, [S.l.], v. 7, n. 4.29, p. 260-265, Nov. 2018.	SCOPUS
26.	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**. Kansei engineering approach for measuring political propaganda: A case of Malaysia. International Journal of Engineering and Technology(UAE). 7. 31-35. 2018.	SCOPUS
27.	Muhammad Fairuz Bin Abd Rauf, Syahirah Ismail, Suziyanti Marjudi, **Mohd Fahmi Mohamad Amran**, Nur Amlya Abd Majid, Zuraidy Adnan, Nurhafizah Moziyana Mohd Yusop. Data Capture of Exergames using Kinect Sensor for Gameplay Analysis. International Journal of Engineering & Technology, [S.l.], v. 7, n. 4.29, p. 124-127, Nov. 2018.	SCOPUS
28.	Zuraidy Adnan, **Mohd Fahmi Mohamad Amran**, Norhayati Mohd Amin and Muhammad Fairuz Abd Rauf. Network Security and Digital Forensic Curricula Development for private Institute of Higher Learning (IHL) in Malaysia. International Journal of Computer Applications 180(37):15-19, April 2018.	Peer-Reviewed

No.	Authors	Level
29.	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, [S.l.], v. 7, n. 4, p. 6731-6734, 2019.	SCOPUS
30.	Riza Sulaiman, Marlinawati Djasmir, **Mohd Fahmi Mohamad Amran**. (2019). COMSeg technique for MRI knee cartilage segmentation. International Review of Applied Sciences and Engineering. 1-9. 2019.	SCOPUS
31.	Mohd Afizi Mohd Shukran, Mohd Sidek Fadhil Mohd Yunus, Fatimah Ahmad, **Mohd Fahmi Mohd Amran**. Pixel Value Graphical Password Scheme: An Alternative Hash Password Using Hexadecimal Colour Codes. International Journal of Recent Technology and Engineering (IJRTE) Volume-7, Issue-5S4, Pages 487-489, February 2019.	SCOPUS
32.	Venothanee Sundra Mohan, **Mohd Fahmi Mohamad Amran**, Yuhanim Hani Yahaya, Nurhafizah Moziyana Mohd. Yusop, Tengku Mohd Tengku Sembok, Mohamad Akhtar Ahmad Zainuddin.A Study on Emotion Classifications in EEG Signals. International Journal of Recent Technology and Engineering (IJRTE) Volume-8, Issue-3, Pages 2736-2740, September 2019.	SCOPUS
33.	**Mohd Fahmi Mohamad Amran**, Mohd Afizi Mohd Shukran, Mohd Sidek Fadhil Mohd Yunus, Omar Zakaria, Nurhafizah Moziyana Mohd Yusop, Mohd Nazri Ismail, Mohd Rizal Mohd Isa, Mohammad Adib Khairuddin, Kamaruzaman Maskat, Yamunah Kathiravan. Testing Design for Pixel Value Graphical Password Scheme on Image Specimens. International Journal of Recent Technology and Engineering (IJRTE), Volume 8, Issue 2 Special Issue 8, Pages 1475-1478, August 2019.	SCOPUS
34.	Razali, N.A.M, Ishak, K.K., MdSaad, N.J.A., Zainudin, N.M., Hasbullah, N., **Amran, M.F.M.,** Conceptualization of User's Rage Assessment Using Chatbot Interface by Implementing Kansei Engineering Methodology for Information Security, Advances in Intelligent Systems and Computing, Volume 1256 AISC, Pages 184-193, 2020.	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.	Norazimah Awang , Riza Sulaiman, Azrulhizam Shapi'i, Abdul Halim Abdul Rashid, **Mohd Fahmi Mohamad Amran**, Salyani Osman, 2015. A Comparative Study of Computer Aided System Preoperative Planning for High Tibial Osteotomy. International Visual Informatics Conference 2015 (IVIC'15), Lecture Notes in Computer Science pp. 189-198.	International

No.	Authors, year, title, publisher/conference, volume and number of pages (Please bold your name)	Level
2.	Mat Razali Noor Afiza, Nurjannatul Jannah Aqilah Md Saad, Nor Asiakin Hasbullah, Norulzahrah Zainudin, Suzaimah Ramli, Norshahriah Wahab, Mohd Nazri Bin Ismail, **Mohd Fahmi Mohamad Amran**. Knowledge Driven Interface to Determine Degree of Exposure of Young Adult to Pedophile Online. 727-736. 10.1007/978-3-319-70010-6_67.	International

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.	Setyawan Widyarto, Muhammad Saffie bin Md Yasan, **Mohd Fahmi Mohamad Amran** and Habibollah Haron. "A Perspective of Manufacturing Features from Islamic Views". RPCES - SPS UTM, 26-27 July 2006, Proceeding 1st Regional Postgraduate Conference on Engineering & Science pp.151-156.	University
2.	Setyawan Widyarto, **Mohd Fahmi Mohamad Amran,** "Virtual Hajj Environment" International Graduate Conference on Engineering and Science 2008 (IGCES 2008), School of Graduate Studies, Universiti Teknologi Malaysia, Johor Bahru, Malaysia, 23-24 December 2008, Accepted for oral presentation.	International
3.	Suziyanti Marjudi, **Mohd Fahmi Mohamad Amran,** Khairul Annuar Abdullah, Setyawan Widyarto, Nur Amlya Abdul Majid, Riza Sulaiman, "A Review and Comparison of IGES and STEP." Proceedings Of World Academy Of Science, Engineering And Technology Volume 62, Penang, Malaysia, 24-26 February 2010, ISSN: 2070-3724, pp. 1013 - 1017.	International
4.	Kahar, S.; Sulaiman, R.; Prabuwono, A.S.; **Amran, M.F.M.;** Marjudi, S.; , "Data Transferring Technique for Mobile Robot Controller via Mobile Technology," Pattern Analysis and Intelligent Robotics (ICPAIR), 2011 International Conference on , vol.1, no., pp.103-108, 28-29 June 2011. doi: 10.1109/ICPAIR.2011.5976920	International
5.	Kahar, S.; Sulaiman, R.; Prabuwono, A.S.; **Amran, M.F.M.;** Marjudi, S.; , "Comparative Study of Data Transfer for Mobile Robot Controller via Mobile Technology," Electrical Engineering and Informatics (ICEEI), 2011 International Conference on , vol., no., pp.1-6, 17-19 July 2011. doi: 10.1109/ICEEI.2011.6021655	International
6.	Kahar, Saliyah; Sulaiman, Riza; **Amran, Mohd Fahmi Mohamad**; Marjudi, Suziyanti; Prabuwono, Anton Satria; , "Utilization of mobile technology for mobile robot controller," Open Systems (ICOS), 2011 IEEE Conference on , vol., no., pp.166-170, 25-28 Sept. 2011. doi: 10.1109/ICOS.2011.6079301	International

7.	Marjudi, S.; Sulaiman, R.; **Amran, M.F.M.;** Kahar, S.; Abdullah, K.A.; , "The development of CAD system for SME food packaging in Malaysia: A proposal," Electrical Engineering and Informatics (ICEEI), 2011 International Conference on , vol., no., pp.1-4, 17-19 July 2011. doi: 10.1109/ICEEI.2011.6021509	International
8.	Marjudi, Suziyanti; Sulaiman, Riza; **Amran, Mohd. Fahmi Mohamad;** Kahar, Saliyah; Abdullah, Khairul Annuar; , "A study on CAD systems for food packaging," Open Systems (ICOS), 2011 IEEE Conference on , vol., no., pp.171-174, 25-28 Sept. 2011 doi: 10.1109/ICOS.20U.6079277	International
9.	**Mohd Fahmi Mohamad Amran,** Riza Sulaiman, Suziyanti Marjudi, Saliyah Kahar and Zuraidy Adnan, "Extraction Method of Version Number in Engineering Drawing," Proceedings of the 2nd International Conference on Mechanical, Industrial, and Manufacturing Technologies, pp. 333-337, 2011.	International
10.	**Mohd Fahmi Mohamad Amran,** Riza Sulaiman, Suziyanti Marjudi and Saliyah Kahar, "A Study on Extraction Method of Non Geometry Information in Engineering Drawing Title Block," presented at the International Conference on Manufacturing Science and Technology, Singapore, September 16-18, 2011, 2011.	International
11.	**Amran, Mohd. Fahmi Mohamad;** Sulaiman, Riza; Kahar, Saliyah; Marjudi, Suziyanti; Abdullah, Khairul Annuar; Adnan, Zuraidy; , "A Comparative Study on extraction method of NonGeometry Information in Engineering Drawing," Business, Engineering and Industrial Applications (ISBEIA), 2011 IEEE Symposium 2011on , vol., no., pp.5-9, 25-28 Sept. 2011. doi: 10.1109/ISBEIA.2011.6088887	International
12.	**Mohd Fahmi Mohamad Amran,** Riza Sulaiman, Saliyah Kahar, Suziyanti Marjudi, Muhammad Fairuz Abd Rauf, "A Proposed Information Extraction Technique in Engineering Drawing for Reuse Design", International Conference on Industrial and Information Engineering, pp. 414418, 19-21 Feb. 2012.	International
13.	**Mohd Fahmi Mohamad Amran**, Riza Sulaiman, Raja Mohd Tariqi Raja Lope Ahmad, Nurhafizah Moziyana Mohd Yusop, Nor Azliana Akmal Jamaludin, Hassan Mohamed. Entities filtering technique for information extraction in engineering drawing files. Journal of Fundamental and Applied Sciences. 9. 199. 10.4314/jfas.v9i3s.17. 2016.	International
14.	Nor Azliana Akmal binti Jamaludin, Tengku Sharom bin Tengku Shahdan, Mohd. Nazri bin Ismail, **Mohd. Fahmi bin Mohamad Amran**. Data acquisition based on honeycomb technique to track cyber Islamic States recruitment. Journal of Fundamental and Applied Sciences. 9. 82. 10.4314/jfas.v9i3s.7. 2016.	International
15.	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. 020102. 2017	International
16.	Nurjannatul Jannah Aqilah Md Saad, Mat Razali Noor Afiza, Khairul Khalil Ishak, Nor Asiakin Hasbullah, Norulzahrah Mohd Zainudin, Suzaimah Ramli, Norshahriah Wahab, **Mohd Fahmi Mohamad Amran**.	International

	Fear as Emotion Assessment in Information Security Using Kansei Engineering Methodology. Proceedings of the 7th International Conference on Kansei Engineering and Emotion Research 2018. KEER 2018. Advances in Intelligent Systems and Computing, vol 739. Springer, Singapore.	
17.	**Mohd Fahmi Mohamad Amran**, Mohd Afizi Mohd Shukran, Mohd Sidek Fadhil Mohd Yunus, Omar Zakaria, Nurhafizah Moziyana Mohd Yusop, Mohd Nazri Ismail, Mohd Rizal Mohd Isa, Mohammad Adib Khairuddin, Kamaruzaman Maskat, Yamunah Kathiravan. Testing Design for Pixel Value Graphical Password Scheme on Image Specimens. The Third International Conference on Computational Science and Engineering 2018 (ICCSE2018) Kota Kinabalu, Sabah.	International

2.3 Presentation:

(Please list in chronological order)

No.	Event	Title of Paper Presented	Role (Keynote Speaker / Invited Speaker / Presenter)	Date	Organizer
1.	TATIUC Information Security Seminar	Digital Forensics in Mobile Devices	Invited Speaker	15 May 2018	TATI University College (TATIUC), Terengganu

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.	Advanced Research on Applied Mathematics in Science and Engineering (ARAMSE) - Reviewer	2016	National	Malaysia Technical Scientist Association (MALTESAS)
2.	Conference on Information Science, Technology,	2016	National	Malaysia Technical Scientist Association (MALTESAS)

	Management, Humanities & Business (ITMAHUB) - Reviewer			
3.	Defence, Security and Sustainability 2017 (DSS 2017) Exhibition - 1 Gold 1 Silver	2017	International	Universiti Pertahanan Nasional Malaysia (UPNM)
4.	Minggu Penyelidikan Dan Inovasi (MPI'17) - Silver	2017	National	Unisza
5.	UMP TVET Exposition 2017 – Silver	2017	National	UMP
6.	International Conference and Exposition on Inventions by Institutions of Higher Learning (PECIPTA) - Bronze	2017	International	Kementerian Pengajian Tinggi
7.	International Engineering Invention and Innovation Exhibition (i-ENVEX) 2018 - Gold	2018	International	UNIMAP
8.	Invention, Innovation and Technology Exhibition (ITEX) 2018 - Silver	2018	International	MINDS – Malaysia Invention and Design Society KLCC, Kuala Lumpur
9.	Karnival Penyelidikan Dan Inovasi 2018 - Silver	2018	National	UMK
10.	Achievement in research and innovation	2018	University	Universiti Pertahanan Nasional Malaysia (UPNM)
11.	International Conference on Computing and Informatics 2018 (ICOCI2018) - Reviewer	2018	International	School of Computing, Universiti Utara Malaysia (UUM)
12.	Selangor Innovation & Creativity Exposition - Judge	018	National	Universiti Selangor
13.	Invention, Innovation and Design 2018 - Judge	018	National	UiTM
14.	Invention, Innovation and Technology Exhibition (ITEX) 2019 - Silver	2019	International	MINDS – Malaysia Invention and Design Society KLCC, Kuala Lumpur
15.	Defence, Security and Sustainability 2017 (DSS 2017) Exhibition - 2 Gold	2019	International	Universiti Pertahanan Nasional Malaysia (UPNM)
16.	Minggu Penyelidikan Dan Inovasi (MPI'19) - Silver	2019	National	Unisza
17.	International Robotics Competition and Exhibition (IRCE 2019) - Judge	2019	International	UiTM
18.	Sijil Penghargaan Prestasi Cemerlang	2019	National	Universiti Pertahanan Nasional Malaysia (UPNM)

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.	Kajian Dinamika Sosio Politik di Selangor	2017	Universiti Malaya	35,800	6 months

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.	Kluster PTMK	Committee	2016
2.	Kualiti Akademik	Panel	2016
3.	Kolokium PPS	Committee	2016
4.	UPNM Convocation	Liaison Officer	2016
5.	Kursus Asasi – Literasi Komputer	Coordinator	2016
6.	International Conference on Information and Communication Technology – 2016 (ICICTM'16)	Committee	2016
7.	Program Baharu – Sarjana Keselamatan Siber dan Pengurusan	Committee	2016
8.	Academic Advisor (TSI 3)	Academic Advisor	2016
9.	Geran Jangka Pendek	Assessor	2016
10.	UPNM Convocation	Liaison Officer	2017
11.	Pusat Keselamatan Siber	Research Fellow	2017
12.	Final Year Project	Supervisor	2017
13.	Exhibit IT – Final Year Project (Universiti Selangor)	Panel	2017
14.	Technical Specification Assessment PKS – Digital Forensics	Chairperson	2017

15.	International Conference on Information and Communication Technology – 2018 (ICICTM'18)	Reviewer	2018
16.	International Conference on Information and Communication Technology – 2018 (ICICTM'18)	Committee	2018
17.	MOOC	Developer	2018
18.	School of Information Communication & Technology - ASIA e UNIVERSITY (AEU)	Academic Fasilitator	2018
19.	Knowledge Transfer Programme Grant	Evaluator	2018
20.	ISESCO Grant	Evaluator	2018
21.	Geran Jangka Pendek	Evaluator	2018
22.	Proceeding article (PKS)	Evaluator	2018
23.	International Conference on Information and Communication Technology – 2018 (ICICTM'18)	Session Chair	2018
24.	Graduate School Colloquium – PhD Student	Evaluator	2018
25.	Graduate School Colloquium – Master Students	Evaluator	2018
26.	Candidates for Eurecom-UPNM Master and PhD Programme	Interviewer	2018
27.	Special Interest Group (SIG) – Soft Computing	Member	2018
28.	Special Interest Group (SIG) – IoT and 4IR	Member	2018
29.	UPNM – Eurecom offset programme	Coordinator	2018
30.	Collaborative Research Grant	Evaluator	
31.	STEM School Activities	Member	2019
32.	E & E Expo, FKJ UPNM	Judge	2019
33.	Geran Jangka Pendek	Evaluator	2019
34.	PhD & Master Candidate Admission PPS	Panel	2019
35.	Eurecom Master Programme	Interviewer	2019
36.	STEM Program at SK Desa Putra	Speaker	2019
37.	Pegawai Pemeriksa Aset Alih Geran Penyelidikan	Chairperson	2019

No.	Organization	Role	Start Date	End Date	Level
38.	Human Capital Development in Eurecom, Nice France	Head of Delegation		2019	
39.	Spesifikasi Makmal Rangkaian dan Keselamatan Digital, FSTP	Committee		2019	
40.	Pengerusi Jawatankuasa Pembentukan Program Pasca Siswazah Baharu	Chairperson		2020	
41.	Penyediaan MQA Sarjana Sains Keselamatan Digital	Member		2020	

3.4 Service to the community
(Please list in chronological order)

No.	Organization	Role	Start Date	End Date	Level
1.	Kelab FSTP	Member	2018	2019	Faculty
2.	The Society of Digital Information and Wireless Communications (SDIWC)	Member	2015	present	International
3.	Internet Society	Member	2016	present	International
4.	International Association of Engineers	Member	2017	present	International
5.	International Association of Computer Science and Information Technology	Member	2018	present	International