



**NARATIF BAHARU UKM**  
**UNIVERSITI**  
**ATAN KITA**



**INSTITUTE OF  
VISUAL  
INFORMATICS**

LEADING DIGITAL TECHNOLOGY ACROSS INDUSTRIAL REVOLUTION



## CURRICULUM VITAE

**ASSOC. PROF. DR. MOHAMMAD NAZIR AHMAD**

**INSTITUTE OF VISUAL INFORMATICS  
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WOS ID: AAU-7449-2020  
RESEARCHER ID: F-5066-2017  
*THURSDAY, JUNE 4, 2026***

## CURRICULUM VITAE

PERSONAL INFORMATION	
<b>Name</b>	: Mohammad Nazir Ahmad Sharif
<b>IC Number</b>	: 761113016735
<b>UKMPer</b>	: K022312
<b>Religious</b>	: Islam
<b>Age</b>	: <b>50</b>
<b>Citizen</b>	: Malaysia
<b>Office Address</b>	: Institute of Visual Informatics, Universiti Kebangsaan Malaysia, 43600 UKM Bangi, Selangor, MALAYSIA
<b>Telephone &amp; Handphone</b>	: +603.8921.7169   +6017.9000.470
<b>Email</b>	: <a href="mailto:mnazir@ukm.edu.my">mnazir@ukm.edu.my</a>
<b>Current Position</b>	: Senior Research Fellow, IVI
<b>Home Address</b>	: No 5, Jalan Sejahtera 8, Taman Desa Skudai, 81300, Skudai, JB.
<b>H-Index</b>	: Scopus ( <b>21</b> ); Web of Science ( <b>14</b> ); Google Scholar ( <b>29</b> ): Accessed on <b>4-Jun-26</b>
<b>Citations</b>	: Scopus ( <b>2164</b> ); Web of Science ( <b>365</b> ); Google Scholar ( <b>4144</b> ): Accessed on <b>4-Jun-26</b>
<b>Cumulative IF</b>	: Exceed <b>50</b>
<b>Total grants (Industry)</b>	: Exceed <b>MYR 500,000.00</b>
<b>Total grants (All)</b>	: Exceed <b>MYR 4.0 million</b>
<b>Total PI</b>	: Exceed <b>15</b>
<b>Total publications</b>	: Exceed <b>150 (journal &amp; conference)</b>
<b>Publications</b>	: Q1 ( <b>17</b> ); Q2 ( <b>12</b> ); Q3 ( <b>9</b> ); Q4 ( <b>1</b> ); Indexed Journals ( <b>48</b> ); Non-Indexed Journals ( <b>2</b> ); Books ( <b>4</b> ); Book Chapters ( <b>7</b> ); Indexed Books ( <b>1</b> ); Edited Books ( <b>2</b> ); Indexed Book Chapters ( <b>4</b> ); Indexed Proceedings ( <b>18</b> ); Non-Indexed Proceedings ( <b>1</b> ); Policy Papers ( <b>2</b> ); Media Popular ( <b>16</b> );
<b>Total PhD/Master graduates (main-SV)</b>	: <b>All</b> - PhD ( <b>5+12</b> ); Masters ( <b>3+11</b> )
<b>Research Specialization (Jalur Kecemerlangan - R)</b>	<b>Ontology Engineering (OE) / Kejuruteraan Ontologi</b> He specializes in Ontology Engineering (OE) by integrating Knowledge Management (KM) principles to design and develop various types of Knowledge Management Systems (KMS) and design as artefacts.
<b>Skills</b>	: Business process, Project management, Ontology, Entrepreneurship, Negotiation, Marketing, Design thinking, Leadership, AI leadership project
<b>Key Industry Roles</b>	: Chief Scientific Officer ( <b>3</b> ); Chief Technology Officer ( <b>1</b> ); Chief Technology Advisor ( <b>1</b> ); Chief Business Officer ( <b>2</b> ); Principal Investigator ( <b>12</b> )
<b>Key Academic Roles</b>	: Adjunct Professor ( <b>1</b> ); Visiting Professor ( <b>3</b> ); Academic Advisor ( <b>5</b> ); Visiting Research Fellow ( <b>1</b> ); External Examiners ( <b>24</b> ); Editor in Chief ( <b>1</b> )
<b>Key Administrative Roles</b>	: Deputy Director ( <b>1</b> ); Academic Program Coordinator ( <b>1</b> ); Head of IVI Unit ( <b>3</b> ); Head of Research Group ( <b>1</b> ); Intellectual Ambassador ( <b>2</b> ); Course Coordinator ( <b>1</b> );
<b>Key Speech Roles</b>	: Keynote Speaker ( <b>3</b> ); Guest/Invited Speaker ( <b>11</b> ); Presenter ( <b>4</b> ); Track Chair ( <b>3</b> ); Conf. Chair ( <b>1</b> );
<b>Key International Roles</b>	: Keynote Speaker ( <b>3</b> ); Visiting Professor ( <b>2</b> ); Guest Speaker ( <b>2</b> ); Editorial Board Member ( <b>1</b> ); Reviewer ( <b>8</b> ); Principal Investigator ( <b>3</b> ); Main Supervisor ( <b>2</b> )

<b>ACADEMIC QUALIFICATION</b>							
<b>University</b>	:	<b>2006 – 2009:</b> PhD, the School of IT and Electrical Engineering (ITEE), University of Queensland, Brisbane, Australia <b>1999 – 2002:</b> MSc Information Systems, Universiti Teknologi Malaysia (UTM), Malaysia <b>1995 – 1998</b> BIT Information Technology (IT), Universiti Kebangsaan Malaysia (UKM), Malaysia					
<b>Secondary School</b>	:	<b>1994 – 1994/95</b> UKM Science Matriculation, Sekolah Alam Shah (SAS), KL, Cheras, Malaysia <b>1989 – 1993</b> Sekolah Menengah Dato Onn, Batu Pahat, Johor					
<b>Primary School</b>	:	<b>1983 – 1988</b> Sekolah Kebangsaan Sungai Kajang, Batu Pahat, Johor					
<b>AREA OF RESEARCH</b>							
<b>Core</b>	:	Ontology Engineering (OE) & Knowledge Management (KM)					
<b>Application Areas / Interests</b>	:	<ul style="list-style-type: none"> <li>• Artificial Intelligence</li> <li>• Waste Management</li> <li>• Disaster Management</li> <li>• Education Management</li> <li>• Virtual Reality / Augmented Reality</li> <li>• Healthcare</li> <li>• Smart Farming</li> <li>• Blockchain</li> </ul>					
<b>LANGUAGE SKILLS</b>							
		Speaking			Writing		
		Fluent 8-10	Moderate 5-7	Less fluent 1-4	Good 8-10	Moderate 5-7	Weak 1-4
<b>Malay</b>		9			10		
<b>English</b>			7		8		
<b>CAREER HISTORY</b>							
<ol style="list-style-type: none"> <li>1. <b>28 November 2025 – 27 November 2026;</b> <i>Visiting Research Fellow (VRF)</i>, at Universiti Teknikal Melaka (UTEM), Melaka, Malaysia</li> <li>2. <b>31 April 2025 – 31 July 2025;</b> <i>Working Group Member (WGM)</i>, Pesuruhjaya Perlindungan Data Peribadi Malaysia (PPDPM), MCMC, Malaysia</li> <li>3. <b>01 January 2024 – present;</b> <i>Academic Advisor (AA)</i>, Persatuan Pertukaran Persahabatan Pengajian Tinggi Malaysia-China (PPTMC), Malaysia</li> <li>4. <b>21 February 2024 – 31 January 2026;</b> <i>Board Member</i>, IT Program at University Malaysia Sabah (UMS), Sabah, Malaysia</li> <li>5. <b>01 April 2024 – 31 March 2026;</b> <i>Visiting Professor (VP)</i>, at Universiti Tenaga National, UNITEN, Malaysia</li> <li>6. <b>01 November 2023 – 31 October 2026;</b> <i>Adjunct Professor (AP)</i>, Infrastructure University Kuala Lumpur (IUKL), Malaysia</li> <li>7. <b>01 April 2023 – 01 October 2023;</b> <i>Visiting Professor (VP)</i>, University of Dubai (UoD), UAE</li> <li>8. <b>01 March 2023 – 28 February 2026;</b> <i>Deputy Director</i>, Institute of Visual Informatics (IVI), Universiti Kebangsaan Malaysia, Malaysia</li> <li>9. <b>01 March 2023 – 2026;</b> <i>Advisor for Research &amp; Innovation (AA)</i>, Majlis Perbandaran Kemaman (MPK), Kerajaan Negeri Terengganu, Malaysia</li> </ol>							

10. **29 September 2022 – present**; *Research Group Leader*, iAIRG, Institute of Visual Informatics (IVI), Universiti Kebangsaan Malaysia, Malaysia
11. **29 September 2022 – 1 March 2023**; *Head of R&I Unit*, Institute of Visual Informatics (IVI), Universiti Kebangsaan Malaysia, Malaysia
12. **26 August 2022 – present**; *Associate Member*, Majlis Profesor Negara (MPN)
13. **26 February 2022 – 2024**; *Exco I - Technology*, Association for Information Systems, Malaysian Chapter (MyAIS)
14. **06 January 2022 – present**; *Chief Technology Officer (CTO)*, ARBR1 Sdn. Bhd, IT R&D Company under ARB Berhad, Malaysia
15. **20 July 2021 – present**; *Chief Technology Advisor (CTA)*, Aberys Innovation Sdn. Bhd, ICT Company under ARB Berhad, Malaysia
16. **01 May 2020 – February 2021**; *Chief Industry Linkages & Networking*, Institute of Visual Informatics (IVI), Universiti Kebangsaan Malaysia, Malaysia
17. **19 Sept 2019 – present**; *Academic Panel Advisor (AA)*, Kolej Universiti Islam Selangor (KUIS), Malaysia
18. **14 May 2019 – 31 October 2023**; *Visiting Professor (VP)*, Infrastructure University Kuala Lumpur (IUKL), Malaysia
19. **04 July 2018 – 07 March 2020**; *Exco II - Technology & Corporate*, Association for Information Systems (Malaysian Chapter)
20. **04 April 2018 – 03 April 2020**; *ICT Advisor (AA)*, NGO Lestari Alam Malaysia, Malaysia
21. **29 November 2017 – present**; *Senior Research Fellow*, Institute of Visual Informatics (IVI), Universiti Kebangsaan Malaysia, Malaysia
22. **29 November 2017 – present**; *Associate Professor*, Universiti Kebangsaan Malaysia, Malaysia
23. **27 July 2017 – 2 August 2017**; *Visiting Research Fellow*, Applied Science University, Manama, Bahrain
24. **01 February 2017 – 31 December 2017**; *Academic Consultant (CSO)*, Innovrobot Enterprise, IoT Solution Small Medium Enterprise Company, Malaysia
25. **01 January 2017 – 10 July 2022**; *Business Consultant (CBO)*, Integrasi Erat Sdn. Bhd, IT Solution Small Medium Enterprise Company, Malaysia
26. **01 April 2016 – 31 December 2017**; *Academic Consultant (CSO)*, GR Tech Sdn. Bhd, IT Solution Small Medium Enterprise Company, Malaysia
27. **15 September 2015 – 27 August 2017**; *Academic Fellow*, Centre for Information & Communication Technology, Universiti Teknologi Malaysia, Malaysia
28. **1 September 2015 – 31 August 2016**; *Internship* at Integrasi Erat Sdn. Bhd, IT Solution Small Medium Enterprise Company, Malaysia
29. **09 August 2015 – 09 August 2016**; *Chief Scientific Officer (CSO)*, Gates IT Sdn. Bhd, IT Solution Small Medium Enterprise Company, Malaysia
30. **1 January 2014 – 1 September 2015**; *Head of Information & Service System Innovation Research Group*, FC-UTM, Malaysia
31. **01 August 2013 – 01 August 2015**; *Business Consultant (CBO)*, GreatLife Physio and Rehabilitation Enterprise, Physiotherapy and Rehabilitation Small Medium Enterprise Company, Malaysia
32. **2 February 2012 – 2<sup>nd</sup> March 2014**; *Student Affairs Fellow*, Kolej Perdana, Universiti Teknologi Malaysia, Malaysia
33. **22 September 2011 – 29 November 2017**; *Senior Lecturer*, Department of Information Systems, FC-UTM, Malaysia
34. **October 2002 – 21 September 2011**; *Lecturer*, Department of Information Systems, FC-UTM, Malaysia
35. **1 June 2001 – September 2002**; *Tutor*, Department of Information Systems, FC-UTM, Malaysia
36. **Year 2000**; *Head of Department*, Department of Computer Science, Institute of Technology, KPYPJ, Malaysia
37. **1 June 1998 – 30 June 2001**; *Lecturer*, KPYPJ, Malaysia

<b>TEACHING</b>		
1.	<b>ZGTV 6034</b> – <i>Usability Engineering / Kejuruteraan Usabiliti</i> , IVI, UKM	
2.	<b>ZGTV 6023</b> - <i>Simulation &amp; Virtual Modeling / Simulasi &amp; Pemodelan Maya</i> , IVI, UKM	
3.	<b>LMCW2143</b> - <i>Falsafah Islam &amp; Isu-Isu Semasa</i> , Pusat Citra, UKM	
4.	<b>TM6124</b> – <i>Research Methodology</i> , IVI, UKM	
<b>ADMINISTRATIVE POST</b>		
1.	Chairman IVI-GSB MBA BA Program, IVI-GSB, UKM	: 25 Oct 2024 - present
2.	Assessment Postgraduate Program Coordinator of IVI, UKM	: 5 September 2024 – 4 September 2027
3.	Postgraduate Program Coordinator of IVI, UKM	: 01 May 2024 – 30 April 2026.
4.	Deputy Director, IVI, UKM	: 01 March 2023 – 28 February 2026
3.	Coordinator for Simulation & Virtual Modeling Course, IVI, UKM	: 12 September 2023
3.	Project Leader for Income Generation under Industry Linkages & Networking Unit, IVI, UKM.	: 01 June 2023 – present
4.	Intellectual Ambassador / Duta Intelek, IVI, UKM	: 01 April 2023 – 31 March 2025
5.	Leader of an iAI Research Group, IVI, UKM	: 29 September 2022 – present
6.	Head of Research & Innovation Unit, IVI, UKM	: 29 September 2022 – 1 March 2023
7.	Head of Industry Linkages & Networking Unit, IVI, UKM	: 01 May 2020 – February 2021
8.	Intellectual Ambassador / Duta Intelek, IVI, UKM	: 01 May 2020 – 30 April 2023
<b>HONOURS, AWARDS &amp; SPECIAL ACHIEVEMENTS</b>		
1.	<b>AKMyRA 2023</b> , Anugerah Kecemerlangan (Penerbitan) MyRA, Kategori Prof. Madya, Universiti Kebangsaan Malaysia, Bangi, Selangor, Malaysia, <b>2023</b>	
2.	<b>Best Paper Award 2023</b> , International Visual Informatics Conference (IVIC'23), Bangi, Selangor, Malaysia, <b>2023</b>	
3.	<b>APGI 2023</b> , Anugerah Penyumbang Geran Industri, Institut Informatik Visual, Universiti Kebangsaan Malaysia, Bangi, Selangor, Malaysia, <b>2023</b>	
4.	<b>APP 2023</b> , Anugerah Penyelidik Popular, Institut Informatik Visual, Universiti Kebangsaan Malaysia, Bangi, Selangor, Malaysia, <b>2023</b>	
5.	<b>APG 2023</b> , Anugerah Penyumbang Geran Antarabangsa, Institut Informatik Visual, Universiti Kebangsaan Malaysia, Bangi, Selangor, Malaysia, <b>2023</b>	
6.	<b>APC 2022</b> , Anugerah Perkhidmatan Cemerlang, Universiti Kebangsaan Malaysia, Bangi, Selangor, Malaysia, <b>2022</b> .	
7.	<b>Gold Award 2022</b> , MYB PROSTHETHIC LIMB, Persidangan and Expo Ciptaan Institusi Pengajian Tinggi Antarabangsa (PECIPTA '22), UMK, Kota Bharu, Kelantan, Malaysia, 1-3 November <b>2022</b> .	
8.	<b>Gold Award 2022</b> , VR Ankle, 33 <sup>rd</sup> International Invention, Innovation & Technology Exhibition (ITEX '22), KL, Malaysia, 26-27 May <b>2022</b> .	
9.	<b>Gold Award 2020</b> , VR: A Look into UKM Future Medical Classroom, Kongres & Pertandingan Inovasi P&P (KNOVASI '20), Bangi, Selangor, Malaysia, 5-6 February <b>2020</b>	
10.	<b>Gold Award 2020</b> , VR in Total Ankle Replacement Surgery, 19 <sup>th</sup> International Expo on Invention & Innovation, Malaysia Technology Expo (MTE '20), KL, Malaysia, 20-22 February <b>2020</b>	

11. **Gold Award 2019**, Virtual Reality in Total Ankle Replacement Surgery, Persidangan and Expo Ciptaan Institusi Pengajian Tinggi Antarabangsa (PECIPTA '22), UMK, Kota Bharu, Kelantan, Malaysia, 22-23 September **2019**.
12. **Gold Award 2019**, VR Ideal Learning: UKM Future Medical Classroom, Kongres & Pertandingan Inovasi P&P (KNOVASI '19), Bangi, Selangor, Malaysia, 23-24 January **2019**
13. **Second Prize 2019**, VR in Total Ankle Replacement Surgery, Selangor R&D and Innovation Expo, MITIC, KL, 10-13 October **2019**
14. **Silver Award 2019**, Developing A Simulated Training System for Cataract Surgery, Kongres & Pertandingan Inovasi P&P (KNOVASI '19), Bangi, Selangor, Malaysia, 23-24 January **2019**
15. **Gold Award 2018**, VR Cataract Surgery, Selangor Innovation & Creativity Exposition (SLICE '18), UNISEL, Shah Alam, Selangor, Malaysia, 14-16 November **2018**
16. **Silver Award 2018**, The SmartBin System for Managing and Monitoring Bin Collection, Malaysia Technology Expo (MTE' 18), KL, Malaysia, 22-24 February **2018**.
17. **Silver Award**, Development of My Ankle Hinged Fixator, Malaysia Technology Expo (MTE' 18), KL, Malaysia, 22-24 February **2018**.
18. **Bronze Award 2018**, Development of My Shoe Air Walker Integrated with Weight Alert System, Malaysia Technology Expo (MTE' 18), KL, Malaysia, 22-24 February **2018**.
19. **Silver Award 2018**, Developing A Simulated Training System for Cataract Surgery: Pioneer in the Country, Education Innovation (EDUINNOVATION '18), Bangi, Selangor, Malaysia, 18 October **2018**

#### **SECTION A – LIST OF THESIS / FINAL YEAR PROJECT SUPERVISED**

##### ➤ **PhD Graduate: Completed**

1. **Dr. Ahadi Mohd Nasir (Ahadi) (2026)** – *An Ontologically Founded and Governance- Integrated Information Dashboard Design Method*, Institute of Visual Informatics, Universiti Kebangsaan Malaysia - **[OE area]**
2. **Dr. Dato Sri Liew Kok Leong (Larry) (2026)** – *Virtual Reality Dashboard Design Method: An Ontological Approach*, Institute of Visual Informatics, Universiti Kebangsaan Malaysia - **[OE area]**
3. **Dr. Ghadeer Salim (Ghadeer) (2025)** – *The Determinants of Online Proctoring System Adoption and Success in Omani Higher Education: An Extended Information System Success Model*, Kuala Lumpur University of Science & Technology – **[KM area]**
4. **Dr. Li Zhenxiang (Li) (2025)** – *A Blockchain-Based Integration Verification Scheme for Cloud Data*, Infrastructure University Kuala Lumpur – **[KMS area]**
5. **Dr. Mohd Yazid Bajuri (Yazid) (2024)** - *An Ontology-based Approach to Virtual Reality (VR) Contents Evaluation: A Case Study in VR Ankle Surgery*, Institute of Visual Informatics, Universiti Kebangsaan Malaysia - **[OE area]**
6. **Dr. Mohd Ismawira Mohd Ismail (Wira) (2023)** – *A Design Approach of Central Repository for Supporting the Domain of Interlocking Institutional Worlds*, Faculty of Computing, Universiti Teknologi Malaysia – **[OE area]**
7. **Dr. Mohd. Zuhaili Mohd. Rodzi, (Zuhaili) (2023)** – *Knowledge Integration Framework for Flood Management in Malaysia*, Faculty of Computing, Universiti Teknologi Malaysia - **[KM area]**
8. **Dr. Abdul Sattar (Sattar) (2022)** – *An Ontology for Waste Management Domain*, Institute IR4.0, Universiti Kebangsaan Malaysia - **[OE area]**
9. **Dr. Youcef Benferdia (Youcef) (2021)** – *An Ontology for Virtual Reality-based Training in Ophthalmology Domain: A Case Study of Cataract Surgery*, Institute IR4.0, Universiti Kebangsaan Malaysia - **[OE area]**
10. **Dr. Ali Mehimed Ahmed Ireda (Ali) (2020)** – *An Enhanced Acceptance Model of Internet of Things (IOT) Among Students in Libyan Public Universities*, Infrastructure University Kuala Lumpur - **[KM area]**

<p>11. <b>Dr. Ehab Azhary Seed Ahmed (Ehab) (2020)</b> – <i>Ontology-based Conceptual Model for Business Process Improvement Method in Complex Information Systems (Onto-BPIM)</i>, School of Computing, Faculty of Engineering, Universiti Teknologi Malaysia - <b>[OE area]</b></p> <p>12. <b>Dr. Sedig Ahmed Babikr Ali (Sediq) (2019)</b> – <i>An Ontology for Quality Assurance in Higher Education</i>, School of Computing, Faculty of Engineering, Universiti Teknologi Malaysia - <b>[OE area]</b></p> <p>13. <b>Dr. Ghassan Marwan Abdulfattah (Ghassan) (2019)</b> – <i>Adaptive Offline Signature Verification System using Fuzzy Structure Ordinal Module Based on One Single Signature</i>, Department of Information Systems, Faculty of Computing, Universiti Teknologi Malaysia - <b>[KM-KMS area]</b></p> <p>14. <b>Dr. Sommai Khantong (Sommai) (2018)</b> – <i>A Design of Domain Ontology to Support Flood Response Management and Sharing</i>, Department of Information Systems, Faculty of Computing, Universiti Teknologi Malaysia - <b>[OE area]</b></p> <p>15. <b>Dr. Yunis Ali (Yunis) (2017)</b> – <i>Social Media-based Knowledge Sharing Intention Model in Disaster Relief Organizations: Somalia context</i>, Department of Information Systems, Faculty of Computing, Universiti Teknologi Malaysia - <b>[KM area]</b></p> <p>16. <b>Dr. Kamal Badr Abdalla Badr (Kamal) (2016)</b> – <i>An Ontological Approach to Conceptual Modeling of Lessons Learned Management</i>, Department of Information Systems, Faculty of Computing, Universiti Teknologi Malaysia - <b>[KM area]</b></p> <p>17. <b>Dr. Razatulshima Ghazali (Shima) (2015)</b> – <i>Knowledge Integration Mechanism as Mediator between Leadership Styles and Enterprise System Success</i>, Department of Information Systems, Faculty of Computing, Universiti Teknologi Malaysia - <b>[KM area]</b></p>
<p>➤ <b>PhD Candidates: On-going</b></p> <p>1. <b>Miss Li Xi (Li)</b> – Problem in Knowledge Sharing via Blockchain Features in Digital Education Transformation, commenced in <i>May 2025</i>, confirmed in <i>month-2025</i>, submitted in <i>month-year</i> - <b>[KM area]</b></p> <p>2. <b>Dato Sri Low Kok Thai (Low)</b> – Problem in Business Process Ontology for Initial Public Offering (IPO), commenced in <i>March 2025</i>, confirmed in <i>month-2026</i>, submitted in <i>month-year</i> - <b>[OE area]</b></p> <p>3. <b>Mr. Faisal Mohd Amin (Faisal)</b> – Problem in Data Quality Management Framework for Smart Farming Management Systems, commenced in <i>March 2024</i>, confirmed in <i>March-2024</i>, submitted in <i>month-year</i> - <b>[KM area]</b></p> <p>4. <b>Mr. Mohd Khairul Maswan Mohd Redzuan (Khairul)</b> – Problem in Local Culture Influence on ICT adoption in Smart City Domain: Intention to Use, commenced in <i>Feb-2018</i>, confirmed in <i>September-2020</i>, submitted in <i>June-2025</i> - <b>[KM area]</b></p>
<p>➤ <b>Master Graduate: Completed</b></p> <p>1. <b>Mr. Mohd Firdaus Sulaiman (Firdaus)</b> – Ontology-based Data Synchronization for Cloud Data Storage Management in Smart Farming Context, commenced in <i>March-2022</i>, confirmed in <i>February-2023</i>, submitted in <i>Nov-2024</i> - <b>[OE area]</b></p> <p>2. <b>Dr. Sri Arun A/L Sellvam (Arun)</b> – Problem using ICT in Orthopedic &amp; Traumatology, commenced in <i>March-2021</i>, confirmed in <i>April-2022</i>, submitted in <i>March-2025</i> - <b>[KMS area]</b></p> <p>3. <b>Mr. Nik Mohd Habibullah Nik Mohd Nizam (Habib)</b> – Reka bentuk Model Berasaskan Ontologi Untuk Sistem Giliran (Q-Sistem) Dalam Domain Kesihatan, commenced in <i>Jan-2021</i>, confirmed in <i>June-2022</i>, submitted in <i>Jan-2026</i> - <b>[OE area]</b></p>
<p>➤ <b>Master Candidates: On-going</b></p> <p>1. <b>Mrs. Fazita Irma Tajul Urus (Fazita)</b> – Problem in Data Integration Framework for Smart Farming Management Systems, commenced in <i>September 2023</i>, confirmed in <i>June-2024</i>, submitted in <i>month-year</i> - <b>[OE area]</b></p>

<b>SECTION B – PUBLICATIONS</b>	
<b>B.1</b>	<p><b>PHD THESIS</b></p> <p>Mohammad Nazir Ahmad. (2009) <b>An Ontology Server for Ontology-based Interoperation of Information Systems</b>. A Ph.D. thesis in Information Technology (IT), University of Queensland (UQ), Brisbane, Australia. <i>Commenced – 2006, Submitted – 2008, Graduated – 2009</i></p>
<b>B.2</b>	<p><b>MASTER THESIS</b></p> <p>Mohammad Nazir Ahmad. (2001). <b>UML profile for Web Application Design</b>. An MSc thesis in Information Systems (IS), Universiti Teknologi Malaysia (UTM), Skudai, Johor, Malaysia. CGPA: <b>3.89</b></p>
<b>B.3</b>	<p><b>BACHELOR THESIS</b></p> <p>Mohammad Nazir Ahmad. (1998). <b>Plotting B-spline Curve using IADE Method</b>. A BIT thesis in Industrial Computing, Universiti Kebangsaan Malaysia (UKM), Bangi, Selangor, Malaysia. CGPA: <b>3.54</b></p>
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**B.5 | INTERNATIONAL/NATIONAL CONFERENCE/WORKSHOP**

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  15. Bajuri, M. Y., Zamri, K.S., **Ahmad, M.N.** & M. Ismail., M.I. (2019). *Virtual Reality Ideal Learning: A Look into Future Medical Classroom*. In. (Eds.), Advances in

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- B.6 | BOOKS/CHAPTERS IN BOOK/EDITED BOOKS/POLICY PAPER**
1. **Ahmad, M.N.**, Sulaiman, M.F., Choo, A.M. (2026). *OntoSFARM: Advanced Smart Farming with Cloud Data Storage Management*. Air Keroh, Melaka: UTEMPRESS. doi: soon. UTEM Press. **[OE area]; [First, Corresponding & Main-Author]**
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  7. Mohammad Hossein, N., **Ahmad, M.N.** & Zakaria, N.H. (2017). *A Benefits of Customer Relationship Management on Customer Satisfaction: An Empirical Study*. In M. Tavana (Ed.), *Enterprise Information Systems and the Digitalization of Business Functions*. Hershey, PA: IGI Global. ORI Article. doi:[10.4018/978-1-5225-5187-4.ch077](https://doi.org/10.4018/978-1-5225-5187-4.ch077). **IGI Global. [KM area]; [Main-Author]**
  8. Ghani, I., Wan Kadir, W.M.N & **Ahmad, M.N. (2014)**. *Handbook of Research on Emerging Advancements and Technologies in Software Engineering*. Hershey, PA: IGI Global. doi:[10.4018/978-1-4666-6026-7](https://doi.org/10.4018/978-1-4666-6026-7). **IGI Global. [KMS area]; [Main-**

	<p><b>Author]</b></p> <p>9. <b>Ahmad, M.N.</b>, Colomb, R.M. &amp; Abdullah, M.S. (2012). <i>Ontology-based Applications for Enterprise Systems and Knowledge Management</i>. Hershey, PA: IGI Global. doi:10.4018/978-1-4666-1993-7. IGI Global. [OE area]; [First, Corresponding &amp; Main-Author]</p>
<b>B.7</b>	<b>POPULAR MEDIA / INTERVIEW</b>
	<ol style="list-style-type: none"> <li>1. <b>Sinar Harian:</b> <i>Ontologi jadikan AI lebih efisien</i>, eMajalah Dewan Kosmik, Sinar Harian (Ruangan Cetusan), online published on 30 October 2024. [OE area]; [Main-Author]</li> <li>2. <b>Sinar Harian:</b> <i>Kejuruteraan Ontologi: Teras Teknologi Masa Kini</i>, Sinar Harian (Ruangan Perspektif), online published on 20 October 2024. [OE area]; [Main-Author]</li> <li>3. <b>Selangorkini:</b> <i>Peranan Ontologi sebalik AI</i>, Selangorkini, online published on 31 October - 6 November 2024. [OE area]; [Main-Author]</li> <li>4. <b>Dewan Kosmik:</b> <i>Metodologi Sains Reka Bentuk sebagai Kaedah Penyelidikan Mesra Industri</i>, Dewan Bahasa Pustaka (eMajalah Dewan Kosmik), online published on 18 October 2024. [KM area]; [Main-Author]</li> <li>5. <b>Dewan Kosmik:</b> <i>Peranan Papan Pemuka Maklumat Dalam Sistem Pengurusan Sampah Pintar</i>, Dewan Bahasa Pustaka (eMajalah Dewan Kosmik), online published on 18 June 2024. [KMS area]; [Main-Author]</li> <li>6. <b>Dewan Kosmik:</b> <i>Realiti Maya Bantu Atasi Gangguan Spektrum Autisme</i>, Dewan Bahasa Pustaka (eMajalah Dewan Kosmik), online published on 18 June 2023. [KMS area]; [Main-Author]</li> <li>7. <b>TV Al-Hijrah:</b> <i>Temuramah berkaitan kesan AI</i>, Program Analisis TV Al-Hijrah, 2023. [KMS area]; [Main-Author]</li> <li>8. <b>KOSMO:</b> <i>UKM guna IoT perkasa sektor pertanian</i>, Kosmo (Edisi Kampus), September 2023. [KMS area]; [Main-Author]</li> <li>9. <b>Utusan Malaysia:</b> <i>Aplikasi IOT modenkan sektor pertanian</i>, Utusan Malaysia (Edisi Gaya Sains), September 2023. [KMS area]; [Main-Author]</li> <li>10. <b>Utusan Malaysia:</b> <i>Aplikasi kenal pasti kesahihan logo halal</i>, Utusan Malaysia (Edisi Gaya Sains), August 2020. [KMS area]; [Main-Author]</li> <li>11. <b>Berita Harian:</b> <i>Kenal pasti teknologi, inovasi tempatan gempur COVID-19</i>, <b>Berita Harian</b> (Edisi Komentari), 18 April 2020. [KMS area]; [Main-Author]</li> <li>12. <b>Berita Harian:</b> <i>Putra@Sukan urus sukan secara bersepadu</i>, Berita Harian (Edisi BH Inovasi), 7 Mac 2019. [KMS area]; [Main-Author]</li> <li>13. <b>Utusan Malaysia:</b> <i>ICT urus sampah</i>, Utusan Malaysia (Edisi Mega Sains), 10 September 2018. [KMS area]; [Main-Author]</li> <li>14. <b>Utusan Malaysia:</b> <i>Realiti Maya Tiga Dimensi</i>, Utusan Malaysia (Edisi Mega Sains), 4 June 2018. [KMS area]; [Main-Author]</li> <li>15. <b>Utusan Malaysia:</b> <i>SmartBin bijak urus sampah</i>, Utusan Malaysia (Edisi Mega Sains), 7 June 2017. [KMS area]; [Main-Author]</li> <li>16. <b>Utusan Malaysia:</b> <i>Aplikasi FloodFeed bagi persediaan banjir</i>, Utusan Malaysia (Edisi Mega Sains), April 2017. [KMS area]; [Main-Author]</li> </ol>
<b>B.8</b>	<b>INTELLECTUAL PROPERTY</b>
	<ol style="list-style-type: none"> <li>1. SmartBin GPS Based Fraud Detection - <b>f.3134-LY2021W00877</b> [program module for smart bins and waste solution]</li> <li>2. Methodological Phases for Production of the Virtual Reality (VR) Platform or Applications or Modules for VR-based Education and Training (VRT) in Healthcare Domain - <b>f.3134-LY2020004760</b> [conceptual framework of methodology for developing VR application]</li> <li>3. Aplikasi MySelusuri-Halal - <b>f.3145-LY2021W01383</b> [prototype for halal tracking solution]</li> <li>4. OphthalDB (basic prototype) – <b>f.2293-LY2019-006-916</b> [prototype of repository for managing ophthalmology patient data solution]</li> <li>5. GrabWaste system architecture (architecture) – <b>f.2177-LY2019-003-439</b> [conceptual framework of grab waste management solution]</li> </ol>

6.	Ontology-based Knowledge Integration Framework for Flood Management (FM) in Malaysia (architecture) – <b>4L808-0353-16</b> [conceptual framework of flood management system solution]
7.	FloodFeed – A Low Cost Mobile Crowdsourcing Flood Sensor Initiative (basic prototype) – <b>4L808-0359-16</b> [prototype of flood feed sensor system solution]
<b>SECTION C – RESEARCH PROJECTS / GRANTS</b>	
<b>C.1   TRANSLATIONAL GRANTS - INDUSTRY</b>	
1.	<b>ZG-2026-001</b> - <i>Research Programme on “Immersive Blood Research for Indigenous Groups in Malaysia and South East Asia – Visualizing Genetic Health of Malaysia Orang Asli”</i> / <b>LLHSB</b> / In progress / Principal Investigator (PI) / MYR 200,000.00
2.	<b>ZG-2024-001</b> - <i>Kajian Pembangunan Sistem Inovasi “KDEBS iTrading - the iTRADE” berpandukan Ontologi Aplikasi e-Dagang. “A Study on KDEBS iTrading – The iTRADE” Innovation Systems Development based on Application Ontology of e-Commerce”</i> / <b>Alunan Muhibbah</b> / Completed / Principal Investigator (PI) / MYR 26,000.00
3.	<b>ZG-2023-001</b> - <i>Kajian Rintis Inovasi Tong Sampah Pintar untuk KDEB Waste Management Sdn Bhd</i> / <b>KDEBWM</b> / Completed / Principal Investigator (PI) / MYR 50,000.00
4.	<b>ZG-2022-008</b> - <i>OntoEXAM: A Conceptual Model to Facilitate the Integration of eProctor Module on ExamSINI Online Exam Solution</i> / <b>Global Academic Excellence (GAE)</b> / Completed / Principal Investigator (PI) / MYR 10,000.00
5.	<b>ZG-2022-003</b> - <i>An Ontology-based Cloud Data Synchronization for Hydroponic-based Smart Farming Operations</i> / <b>ARB Cloud Sdn Bhd</b> / Completed / Principal Investigator (PI) / MYR 20,000.00
6.	<b>ZG-2021-001</b> - <i>A Study of Central Repository Design for Supporting Domain of Interlocking Institutional Worlds: A Case Study of Flood Management</i> / <b>Integrasi Erat Sdn Bhd (IESB)</b> / Completed / Principal Investigator (PI) / MYR 20,000.00
7.	<b>ZG-2021-005</b> - <i>Using UI/UX design Best Practices for Designing a Virtual Reality (VR) Marketplace Web Portal for the Healthcare Domain</i> / <b>Integrasi Erat Sdn Bhd (IESB)</b> / Completed / Principal Investigator (PI) / MYR 10,000.00
8.	<b>FF-2019-127</b> - <i>Development of Webs Design in Company Data for File and Inventory</i> / <b>Nova Medika</b> / Completed / Member / MYR 15,000.00
9.	<b>ZG-2018-006</b> - <i>A Prototype Development of the SmartBin Waste Management Systems for Majlis Perbandaran Shah Alam (MBSA) - Module I. {Continuance intention research}</i> / <b>AftaCop</b> / Completed / Principal Investigator (PI) / MYR 54,815.00
10.	<b>ZG-2018-005</b> - <i>Development of the Smart Halal License Identification System (HLIS)</i> / <b>GATES</b> / Completed / Principal Investigator (PI) / MYR 15,000.00
<b>C.2   FUNDAMENTAL &amp; TRANSLATIONAL GRANTS – GOVERNMENT / AGENCIES</b>	
1.	<b>ZG-2025-004</b> - <i>Research on Solution Development “Secure Exam (SECEXAM 2.0)” for Secured Data Management (Kajian Inovasi Pembangunan Solusi “SECEXAM 2.0” bagi Pengurusan Data Selamat)</i> / <b>Majlis Peperiksaan Malaysia (MPM)</b> / In progress / Principal Investigator (PI) / MYR 19,999.00
2.	<b>ZG-2024-008</b> - <i>Research on Solution Development “Secure Exam (SECEXAM 1.0)” for Secured Data Management (Kajian Inovasi Pembangunan Solusi “SECEXAM 1.0” bagi Pengurusan Data Selamat)</i> / <b>Majlis Peperiksaan Malaysia (MPM)</b> / Completed / Principal Investigator (PI) / MYR 19,999.00
3.	<b>ZG-2023-005</b> - <i>Stress Testing on Online Exam Platform from the Lens of MPM Computer Server Infrastructure Capability (Kajian Analisa Prestasi Sistem Peperiksaan Atas-Talian dari Perspektif Keupayaan Infrastruktur Komputer Pelayan</i> / <b>Majlis Peperiksaan Malaysia (MPM)</b> / Completed / Principal Investigator (PI) / MYR 17,800.00
4.	<b>ZG-2023-002</b> - <i>Inovasi Pembangunan Sistem Letak Kereta Pintar “Kemaman Park (K-Park)”</i> / <b>Majlis Perbandaran Kemaman</b> / <b>Majlis Perbandaran Kemaman (MPK)</b> / Completed / Principal Investigator (PI) / MYR 37,500.00

5.	<b>ZG-2022-013</b> - <i>OntoPCM: An Ontology to represent a domain model to support building Smart Panel Clinic Management System (SPCMS v1.0)</i> / <b>Majlis Perbandaran Kemaman (MPK)</b> / Completed / Principal Investigator (PI) / MYR 10,000.00
6.	<b>ZG-2021-006</b> - <i>An Investigation of Applying Subscription-based Online Exams during Covid-19 Pandemic: A Case Study for IKLA Exam</i> / <b>Majlis Peperiksaan Malaysia (MPM)</b> / Completed / Principal Investigator (PI) / MYR 19,900.00
7.	<b>ZG-2021-004</b> - <i>An Investigation of Critical Success Factors on Applying Online Exams during Covid-19 Pandemic: A Case Study at Majlis Peperiksaan Malaysia (MPM)</i> / <b>Majlis Peperiksaan Malaysia (MPM)</b> / Completed / Principal Investigator (PI) / MYR 19,900.00
8.	<b>TRGS -/1/2020/UKM/02/6/2</b> – <i>Design of Ontology-based Virtual Reality (VR) Module for Social Skills Training Among Youths with High Functioning Autism Spectrum Disorder (HFASD)</i> / <b>Ministry of Higher of Education (MOHE)</b> / Completed / Principal Investigator (PI) / MYR 207,800.00
9.	<b>ZG-2019-002</b> - <i>Development of SmartBin Waste Management Systems for 1Terengganu</i> / <b>Terengganu Local Councils (SUK)</b> / Completed / Principal Investigator (PI) / MYR 95,000.00
10.	<b>ZG-2018-003</b> - <i>A Prototype Development of the SmartBin Waste Management Systems for Majlis Perbandaran Kemaman (MPK) - Module II</i> / <b>Majlis Perbandaran Kemaman (MPK)</b> / Completed / Principal Investigator (PI) / MYR 19,980.00
11.	<b>4L808 (2012-2016) LRGS</b> - <i>Enterprise Ontology for Flood Management Domain: Impact, Reduction &amp; Relief</i> / <b>UTM</b> / Completed / Member / MYR 200,300.00
12.	<b>4L809 (2012-2016) LRGS</b> - <i>Knowledge Integration Model for Flood Management Domain</i> / <b>UTM</b> / Completed / Member / MYR 100,000.00
<b>C.3</b>	<b>FUNDAMENTAL &amp; TRANSLATIONAL GRANTS - INTERNAL GRANTS</b>
1.	<b>GGPM-2019-068</b> – <i>The Application of Virtual Reality in Reducing Labour Pain</i> / <b>UKM</b> / Completed / Member / MYR 50,000.00
2.	<b>GUP-2018-125</b> - <i>Towards “Zero Waste” using GrabWaste solution</i> / <b>UKM</b> / Completed / Principal Investigator (PI) / MYR 60,000.00
3.	<b>KRA-2018-027</b> - <i>Virtual Reality Application in Community Village Project</i> / <b>UKM</b> / Completed / Member / MYR 35,000.00
4.	<b>INOVASI-2018-003</b> - <i>Virtual Reality in Total Ankle Replacement Surgery</i> / <b>UKM</b> / Completed / Member / MYR 84,100.00
<b>C.4</b>	<b>INTERNATIONAL GRANTS</b>
1.	<b>ZG-2026-004-</b> <i>Big Data Canvas: Requirements &amp; Preparation as Proposition in Design Science Research Approach</i> / <b>Shengshi Education Group</b> / In progress / Principal Investigator (PI) / MYR 60,000.00 (approx)
2.	<b>ZG-2025-002-</b> <i>Building Business Process Ontology of Initial Public Offering (BPOIPO)</i> / <b>Shi Feng International Education &amp; Consultation Co. Ltd/</b> In progress / Principal Investigator (PI) / MYR 22,100.00
3.	<b>ZG-2023-004</b> - <i>Building Smart Farming Ecosystem Business Model Incorporating Academic Research &amp; Industry</i> / <b>ARB IOT Group Limited</b> / Completed / Principal Investigator (PI) / MYR 22,828.00
<b>SECTION D – PARTICIPATION IN CONFERENCES / SEMINAR / WORKSHOP</b>	
<b>D.1</b>	<b>NATIONAL &amp; INTERNATIONAL – PRESENTER / KEYNOTE / SPEAKER</b>
1.	<b>Conference Chair</b> , International Conference on Artificial Intelligence and Simulation 2026 (CAIS 2026), UKM, Bangi, <b>Malaysia</b> , July <b>2026</b>
2.	<b>Keynote Speaker</b> , <i>Pragmatic Research Paradigm &amp; SDGs: Collaborative Research Projects</i> , Seminar Nasional 2025, Aula Institut Teknologi dan Bisnis Riau Pesisir, Dumai, <b>Indonesia</b> , 15 October <b>2025</b>
3.	<b>Guest Speaker</b> , <i>Industrial Grants: Pragmatic Approach</i> , Bengkel Strategi dan Pendekatan Memperoleh dan Menguruskan Geran Industri, Universiti Teknikal Melaka (UTEM), Melaka, <b>Malaysia</b> , 25 Sept <b>2025</b>

4.	<b>Guest Speaker</b> , <i>Seminar: Academic Research for Industry Perspective – Design Science Research Approach</i> , USU Postgraduate Seminar <b>2023</b> , Universiti Sumatera Utara (USU), Sumatera, <b>Indonesia</b> , 4 December <b>2023</b>
5.	<b>Keynote Speaker</b> , <i>Workshop: Translational Research - Research Opportunities in Smart Farming Ecosystem</i> , IUKL Postgraduate Colloquium 2023, Infrastructure University Kuala Lumpur (IUKL), Kajang, Selangor, <b>Malaysia</b> , 23-24 January <b>2024</b>
6.	<b>Guest Speaker</b> , <i>Workshop: Academic Research for Industry Perspective – Design Science Research Approach</i> , 7 <sup>th</sup> Information Systems International Conference (ISICO'23), Double Tree by Hilton Hotel, Sanur, Bali, <b>Indonesia</b> , 27 July <b>2023</b>
7.	<b>Guest Speaker</b> , <i>Seminar: Academic Research for Industry Perspective – Design Science Research Approach</i> , Universiti Teknologi MARA (UiTM), <b>Malaysia</b> , 25 September <b>2023</b>
8.	<b>Guest Speaker</b> , <i>Symposium: Information Systems – Academic &amp; Industry</i> , INTI International University, <b>Malaysia</b> , 22 August <b>2022</b>
9.	<b>Guest Speaker</b> , <i>Lecture Class: Design Science Research Methodology</i> , Universiti Teknologi Petronas (UTP), Bandar Seri Iskandar, Perak, <b>Malaysia</b> , 2 March <b>2021</b>
10.	<b>Guest Speaker</b> , <i>Workshop: Design Science Research Methodology</i> , IUKL Postgraduate Colloquium 2021, Infrastructure University Kuala Lumpur (IUKL), Kajang, Selangor, <b>Malaysia</b> , 20 January <b>2021</b>
11.	<b>Guest Speaker</b> , <i>Lecture Class: Academic Innovation for Industry</i> , Azman Hashim International Business School (AHIBS), <b>Malaysia</b> , 31 January <b>2021</b>
12.	<b>Guest Speaker</b> , <i>Seminar: Sistem Pengurusan Inventori Nenas</i> , Lembaga Perindustrian Nanas Malaysia (LPNM), <b>Malaysia</b> , 27 August <b>2020</b>
13.	<b>Track Chair</b> , <i>Conference: Information Systems Implementation, Adoption and Diffusions</i> , 6 <sup>th</sup> International Conference on Research & Innovation in Information Systems (ICRIIS'19), Double Tree by Hilton Hotel, Johor Bahru, Johor, <b>Malaysia</b> , 2-3 December <b>2019</b>
14.	<b>Track Chair</b> , <i>Conference: Information Systems for Business and Healthcare</i> , 6 <sup>th</sup> International Conference on Research & Innovation in Information Systems (ICRIIS'19), Double Tree by Hilton Hotel, Johor Bahru, Johor, <b>Malaysia</b> , 2-3 December <b>2019</b>
15.	<b>Keynote Speaker</b> , <i>Conference: SmartBMS for Waste Management, Sustainable &amp; Integrated Engineering International Conference (SIE'19)</i> , Hotel Everly Hotel, Putrajaya, Malaysia, organized by Universiti Teknologi Malaysia (UTM), <b>Malaysia</b> , 8-9 December <b>2019</b>
16.	<b>Presenter</b> , <i>Conference: Issues in designing ontology for waste management: A Systematic Reviews of Papers from 2002-2017</i> , <a href="#">ICCST'19</a> , Hilton Hotel, Kota Kinabalu, Sabah, <b>Malaysia</b> , 29-30 August <b>2019</b>
17.	<b>Presenter</b> , <i>Conference: Essential Requirements for Central Repository of Domain Interlocking Institutional Worlds</i> , <a href="#">ICCST'19</a> , Hilton Hotel, Kota Kinabalu, Sabah, <b>Malaysia</b> , 29-30 August <b>2019</b>
18.	<b>Guest Speaker</b> , <i>Workshop: Publish at PACIS 2020</i> , EDC Hotel, Sintok, Kedah, <b>Malaysia</b> , 27 July 2019
19.	<b>Guest Speaker</b> , <i>Conference: VR &amp; AR</i> , 2nd Malaysian Society for Simulation in Healthcare (MaSSH'19), Seremban, <b>Malaysia</b> , organized by MaSSH, 15 <sup>th</sup> July <b>2019</b>
20.	<b>Track Chair</b> , <i>Conference: Parallel Session II-Data Science, AI and IoT Trends for the Fourth Industrial Revolution</i> , <a href="#">IRICT'18</a> , Hotel Bangi-Putrajaya, Bangi, Selangor, <b>Malaysia</b> , 23 June <b>2018</b>
21.	<b>Presenter</b> , <i>Conference: An Ontology for the Waste Management Domain</i> , AIS Pacific Asia Conference on Information Systems (PACIS'18), Yokohama, <b>Japan</b> , organized by AIS, 26th-30th June <b>2018</b>
<b>D.2</b>	<b>NATIONAL &amp; INTERNATIONAL – COMMITTEE MEMBER / OTHERS</b>
1.	<b>Conference Chair</b> , International Conference on Artificial Intelligence and Simulation 2026 ( <a href="#">CAIS 2026</a> ), UKM, Bangi, <b>Malaysia</b>

2. **Track Co-Chairs (TC)** for IT Strategy, Leadership, Sourcing and Governance at 32th Pacific-Asia Conference on Information Systems ([PACIS-25](#)), Kuala Lumpur, Malaysia. [**Flagship Conference**]
3. **Track Chair (TC)** for the 9th. International Visual Informatics Conference ([IVIC-2025](#)), Dongguan City, Guangdong Province, China
4. **Program Committee Member (PC)** for the 9th. International Visual Informatics Conference ([IVIC-2025](#)), Dongguan City, Guangdong Province, China
5. **Advisory Board Member (ABM)** for the 4<sup>th</sup> International Workshop on Emerging Advancements and Technologies in Healthcare ([EATH-25](#)), Istanbul, Turkey.
6. **Advisory Board Member (ABM)** for the 3<sup>rd</sup> International Workshop on Emerging Advancements and Technologies in Healthcare ([EATH-24](#)), Leuven, Belgium.
7. **Advisory Board Member (ABM)** for the 3<sup>rd</sup> International Workshop on Knowledge Management in Ambient Intelligent Systems ([KnowMAIS-24](#)), Thessaloniki, Greece.
8. **Program Committee Member (PC)** for the 8th. International Visual Informatics Conference ([IVIC-2023](#)), Kajang, Malaysia
9. **Program Committee Member (PC)** for the 9th International Conference on Research and Education in Mathematics ([ICREM9](#)), Langkawi, Malaysia
10. **Program Committee Member (PC)** for the 7th. International Visual Informatics Conference ([IVIC-2021](#)), Kajang, Malaysia
11. **Program Committee Member (PC)** for the 6th. International Visual Informatics Conference ([IVIC-2019](#)), Kajang, Malaysia

## SECTION E – PROFESSIONAL SERVICES

### E.1 ACADEMIC SERVICE - PROGRAM COMMITTEE / VISITING / ADVISOR / EXAMINER

1. **Visiting Research Fellow**, at Universiti Teknikal Melaka (UTEM), Melaka, Malaysia, **2025-2026**
2. **Working Group Member**, Pesuruhjaya Perlindungan Data Peribadi Malaysia (PPDPM), MCMC, Malaysia, **2025**
3. **Exam Paper Examiner** for Agile Project Management Course, Universiti Islam Selangor (UIS), Selangor, Malaysia, **2025**
4. **External Grant Examiner** for Malaysian Research University Network (MRUN), **2024**
5. **Exam Paper Examiner** for Information Systems Management Course, Universiti Islam Selangor (UIS), Selangor, Malaysia, **2024**
6. **Visiting Professor** at Universiti Tenaga National, UNITEN, **2024-2026**
7. **Board Member** for IT Program at University Malaysia Sabah (UMS), Sabah, Malaysia, **2024-2025**
8. **External Assessor** for APEL.Q, Open University Malaysia (OUM), **2024-2025**
9. **Exam Paper Examiner** for Data Science Course, Kolej Universiti Islam Selangor (UIS), Selangor, Malaysia, **2023**
10. **Adjunct Professor**, Infrastructure University Kuala Lumpur (IUKL), Malaysia, **2023-2026**
11. **Visiting Professor** at University of Dubai (UoD), UAE, **2023**
12. **Academic Advisor** on Bachelor of Information Systems program at Universiti Islam Selangor (UIS), Selangor, Malaysia, **2019-2025**.
13. **Visiting Professor**, Infrastructure University Kuala Lumpur (IUKL), Malaysia, **2019-2023**
14. **Examiner** on Computer Science Matriculation Exam Paper at Matriculation Division, Ministry of Education (MOE), Putrajaya, Malaysia, **2018-2020**
15. **Examiner Group Leader** on Computer Science Matriculation Exam Paper at Matriculation Division, Ministry of Education (MOE), Putrajaya, Malaysia, **2018-2020**
16. **Assessor** on Computer Science Matriculation Exam Paper at Matriculation

	Division, Ministry of Education (MOE), Putrajaya, Malaysia, <b>2018</b>
	17. <b>Visiting Research Fellow</b> , Applied Science University, Manama, Bahrain, <b>2017</b>
	18. <b>ICT Academic Fellow</b> , Centre for Information & Communication Technology, Universiti Teknologi Malaysia, Malaysia, <b>2017-2018</b>
<b>E.2</b>	<b>ACADEMIC SERVICE - EDITOR / REVIEWER</b>
1.	<b>Editor-in-Chief</b> for <a href="#">Journal of Information Systems &amp; Technology Management (JISTM)</a> , MyCITE, Malaysia, <b>2022-present</b>
2.	<b>Editorial Board Member</b> for <a href="#">International Review of Applied Sciences &amp; Engineering (IRASE)</a> , Scopus, Hungary, <b>2022-present</b>
3.	<b>Reviewer</b> for <a href="#">International Journal of Disaster Risk Reduction (IJDRR)</a> , Elsevier, 4.2 Impact Factor
4.	<b>Reviewer</b> for <a href="#">Expert Systems with Applications (ESA)</a> , Elsevier, 7.5 Impact Factor
5.	<b>Reviewer</b> for <a href="#">Automation in Construction(AC)</a> , Elsevier, 9.6 Impact Factor
6.	<b>Reviewer</b> for <a href="#">Communications of the Association for Information Systems (CAIS)</a> , AIS
7.	<b>Reviewer</b> for <a href="#">Mathematical Methods of Operations Research (MMOR)</a> , Springer, 0.9 Impact Factor
8.	<b>Reviewer</b> for <a href="#">Information &amp; Management (I&amp;M)</a> , Springer, 8.2 Impact Factor
9.	<b>Reviwer</b> for <a href="#">International Journal of Enterprise Information Management(IJEIM)</a> , Emerald, 7.4 Impact Factor
<b>E.3</b>	<b>ACADEMIC SERVICE - THESIS EXTERNAL EXAMINERS</b>
1.	Mujeeb ur Rehman Shaikh, <i>A Heuristic-Rule-based Approach for Ransomware Detection During Pre-Encryption Phase</i> , The <b>Universiti Teknologi Petronas (UTP)</b> , Malaysia, December- <b>2025</b> . <b>PhD Thesis</b> .
2.	Apoorva Muppidi, <i>A Conceptual User Experience Model for the Design and Development of BI Dashboards</i> , The <b>Universiti Teknologi Petronas (UTP)</b> , Malaysia, August- <b>2025</b> . <b>Master Thesis</b> .
3.	Ismail Bello, <i>Determinants of Knowledge Transfer Implementation for IT Project Managers</i> , The <b>Universiti Utara Malaysia (UUM)</b> , Malaysia, July- <b>2025</b> . <b>PhD Thesis</b> .
4.	Yao Yibo, <i>Open-Domain Generative Dialogue Augmented with Heterogeneous External Knowledge</i> , The <b>Universiti Teknologi Malaysia (UTM)</b> , Malaysia, Nov- <b>2024</b> . <b>PhD Thesis</b> .
5.	Adi Azlan Mohd Ali, <i>A Development of Location-based Services Framework for Malaysia Public Sector in E-government</i> , The <b>Universiti Teknologi Malaysia (UTM)</b> , Malaysia, Nov- <b>2024</b> . <b>PhD Thesis</b> .
6.	Chng Chern Wei, <i>Cloud Based ERP System (CBES) Security Using a Dynamic Password Encryption Algorithm &amp; Programming Approach in Data Security</i> , The <b>Infrastructure Universiti Kuala Lumpur (IUKL)</b> , Malaysia, May- <b>2024</b> . <b>PhD Thesis</b> .
7.	Rozita Husain, <i>Significant Automobile Carbon Dioxide (CO2) Emission Factors for an Environmentally Friendly Automotive Framework using Artificial Neural Network (ANN) Technology</i> , The <b>Universiti Pertahanan Negara Malaysia (UPNM)</b> , Malaysia, January- <b>2024</b> . <b>PhD Thesis</b> .
8.	Sadaf Hafeez, <i>Role of ICT Ecosystem in Innovation: An Empirical Investigation of Chinese Internet Companies Using Layer Model Approach</i> , The <b>Universiti Teknologi Petronas (UTP)</b> , Malaysia, September- <b>2023</b> . <b>PhD Thesis</b> .
9.	Maryam Ahmad, <i>Towards Exploring the Influencing Factors of Students' Level of Readiness in Adopting Online Learning: Application of Educational Data Mining Techniques</i> , The <b>Universiti Teknologi Petronas (UTP)</b> , Malaysia, February- <b>2023</b> . <b>Master Thesis</b> .
10.	Mekhala Hansini Adhikari Egodawe, <i>Exploring the Role of Resources in Digital Transformation Initiatives</i> , The <b>Southern Cross University (SCU)</b> , Malaysia, August- <b>2023</b> . <b>PhD Thesis</b> .
11.	Tung Soon Seng, <i>Knowledge Creation in Information Technology Project to Enhance Digital Innovation</i> , The Malaysia <b>Multimedia University (MMU)</b> , Malaysia, February- <b>2023</b> . <b>PhD Thesis</b> .

12.	Saira Nawaz, <i>Internet of Things Based Patient-Centered Care Model for Elderly Healthcare</i> , The <b>Universiti Utara Malaysia (UUM)</b> , Malaysia, October- <b>2022</b> . <b>PhD Thesis</b> .
13.	Atiff Abdalla Mahmoud Arabi, <i>A Zero Trust Model Based Framework for Prevention of Network Based Academic Dishonesty in Decentralized Learning</i> , The <b>Infrastructure Universiti Kuala Lumpur (IUKL)</b> , Malaysia, Sept- <b>2022</b> . <b>PhD Thesis</b> .
14.	Marym Mohamad Razip, <i>The Development of a Sustainable Household IoT E-waste Management Guideline for Malaysia</i> , The <b>Universiti Teknologi Petronas (UTP)</b> , Malaysia, Jan- <b>2021</b> . <b>Master Thesis</b> .
15.	Izatul Lail Mohd Yasar, <i>Development of Diagnostic Applications for Meliponiculture in Malaysia</i> , The <b>Universiti Putra Malaysia (UPM)</b> , Malaysia, December- <b>2021</b> . <b>PhD Thesis</b> .
16.	Mohamad Firdaus Mat Saad, <i>Agile Information-based Framework for Flood Management</i> , The <b>Universiti Tenaga Nasional (UNITEN)</b> , Malaysia, February- <b>2020</b> . <b>PhD Thesis</b> .
17.	Jalal Mohammed Hachim Al-Kanaani, <i>Design and Implementation of New Hybrid Sine Cosine T-way Testing Strategy</i> , The <b>Universiti Malaysia Perlis (UNIMAP)</b> , Malaysia, Nov- <b>2020</b> . <b>PhD Thesis</b> .
18.	Saif Salim Khalfan Al Muzahmi, <i>Knowledge Management in Oil and Gas Domain: Framework for Knowledge Sharing Systems</i> , The <b>Universiti Utara Malaysia (UUM)</b> , Malaysia, October- <b>2019</b> . <b>PhD Thesis</b> .
19.	Kaiss Ali Abd Elghariani, <i>Implicit Thinking Knowledge Injection Framework for Software System Requirements Documentation in Agile Methodology</i> , The <b>Universiti Teknologi Malaysia (UTM)</b> , Malaysia, April- <b>2019</b> . <b>PhD Thesis</b> .
20.	Nuraminah Ramli, <i>The Design of T-Way Test Suite Generator Supporting Uniform Strength, Variable Strength and Input-Output Based Relations</i> , The <b>Universiti Malaysia Perlis (UNIMAP)</b> , Malaysia, Mac- <b>2019</b> . <b>PhD Thesis</b> .
21.	Khalil Salah, <i>A Protocol to Support Real-time Cross Network Authentication in Electric Vehicles' Network Using Representational State Transfer Web Interface</i> , The <b>Universiti Teknologi Malaysia (UTM)</b> , Malaysia, July- <b>2018</b> . <b>PhD Thesis</b> .
22.	Muhaned Thiab Mahdee Al-Hashimi, <i>A New Method to Select Information Security Governance Framework in Cloud Computing using Multi-Criteria Decision Making Approach</i> , The <b>Universiti Tenaga Nasional (UNITEN)</b> , Malaysia, July- <b>2018</b> . <b>PhD Thesis</b> .
23.	Sanath Sukumaran, <i>Development of Software Requirement Elicitation Framework for Knowledge Management Systems (KMS) using AT and DART</i> , The <b>Asia e University (AeU)</b> , Malaysia, January- <b>2015</b> . <b>PhD Thesis</b> .
24.	Siti Hajar Othman, <i>Metamodelling Approach for Managing Disaster Management Knowledge</i> , The <b>University of Wollongong (UoW)</b> , Australia, July- <b>2012</b> . <b>PhD Thesis</b> .
<b>E.4</b>	<b>PROFESSIONAL BODIES – ASSOCIATION MEMBERSHIP</b>
1.	<b>Associate Member</b> (MPN031022) for Majlis Professor Negara (MPN), <b>2023-present</b>
2.	<b>Member</b> for Association for Information Systems (AIS), <b>2023-present</b>
3.	<b>Member (Lifetime)</b> for Association for Information Systems, Malaysian Chapter (MyAIS)
4.	<b>Member</b> of the International Associations for Ontology and Its Applications (IAOA), <b>2013-present</b>
<b>E.5</b>	<b>COMMUNITY SERVICES – PANEL / VOLUNTEER / EXAMINER / ADVISOR</b>
1.	<b>Academic Advisor</b> , Persatuan Pertukaran Persahabatan Pengajian Tinggi Malaysia-China (PPTMC), Malaysia
2.	<b>Judge</b> for e-Inovasi Competition IMU, Bukit Jalil, Selangor, <b>2024</b>
3.	<b>Publication Committee Member</b> , Association for Information Systems, Malaysian Chapter (MyAIS), <b>2024-2026</b>

	<ol style="list-style-type: none"> <li>4. <b>Research Advisory Panel</b> for Majlis Perbandaran Kemaman (MPK), Kemaman, Terengganu, <b>2023-2026</b></li> <li>5. <b>Exco I (Technology)</b>, Association for Information Systems, Malaysian Chapter (MyAIS), <b>2022-2024</b></li> <li>6. <b>Volunteer</b> on Student registration task force at Sekolah Sultan Alam Shah (SAS) during Covid-19 pandemic, Sekolah Sultan Alam Shah, Putrajaya, Malaysia, <b>2021</b></li> <li>7. <b>Academic Panel Advisor</b>, Kolej Universiti Islam Selangor (KUIS), Malaysia, <b>19 Sept 2019 – present;</b></li> <li>8. <b>Exco II (Technology &amp; Corporate)</b>, Association for Information Systems, Malaysian Chapter (MyAIS), <b>2018-2020</b></li> <li>9. <b>ICT Advisor</b>, NGO Lestari Alam Malaysia (LAM), Malaysia, <b>2018-2020</b></li> <li>10. <b>Panel</b>, 1<sup>st</sup> Malaysia Doctoral Consortium for Information Systems (MyDCIS), AHIBS, UTMKL, <b>2018</b></li> </ol>
<b>E.6</b>	<b>GOVERNMENT &amp; INDUSTRY SERVICES – PL / CPL / ADVISOR / CTO / CSO / CBO</b>
	<ol style="list-style-type: none"> <li>1. <b>Advisor/Facilitator</b> – Sesi Libaturus Agensi MyIPO – “eIPR System Development-Joint Application Design”, <b>2025</b></li> <li>2. <b>Project Leader (PL)</b> – Flagship Project: Smart Reality Artificial Intelligence (SRAI) Platform, <b>2025-present [Immersax Sdn Bhd]</b></li> <li>3. <b>Project Leader (PL)</b>, Secure Exam (SECEXAM 2.0)" for Secured Data Management at Majlis Peperiksaan Malaysia, <b>2025 [Majlis Peperiksaan Malaysia]</b></li> <li>4. <b>Project Leader (PL)</b>, Secure Exam (SECEXAM 1.0)" for Secured Data Management at Majlis Peperiksaan Malaysia, <b>2024 [Majlis Peperiksaan Malaysia]</b></li> <li>5. <b>Project Leader (PL)</b>, Pentest for Online Exam Platform at Majlis Peperiksaan Malaysia, <b>2023 [Majlis Peperiksaan Malaysia]</b></li> <li>6. <b>Project Leader (PL)</b>, Development of the SmartBin Waste Management Systems 2.5, <b>2023-2024 [KDEB Waste Management Sdn Bhd, GLC Selangor]</b></li> <li>7. <b>Project Leader (PL)</b>, Inovasi Pembangunan Sistem Letak Kereta Pintar, Kemaman Park (K-Park) at Majlis Perbandaran Kemaman, <b>2023-2024 [Majlis Perbandaran Kemaman]</b></li> <li>8. <b>Co-Project Leader (CPL)</b> – Flagship Project: AIOT Smart Vending Machine for Academia-Industry Collaboration, <b>2022-present [ARB Berhad]</b></li> <li>9. <b>Project Leader (PL)</b>, Building Smart Panel Clinic Management System (SPCMS v1.0) for Majlis Perbandaran Kemaman, <b>2022-2023 [Majlis Perbandaran Kemaman]</b></li> <li>10. <b>Project Leader (PL)</b>, Online Exam Platform for Majlis Peperiksaan Malaysia, IKLA Case Study, <b>2021-2022 [Majlis Peperiksaan Malaysia]</b></li> <li>11. <b>Project Leader (PL)</b>, Online Exam Platform for Majlis Peperiksaan Malaysia, Medex Case Study, <b>2021-2022 [Majlis Peperiksaan Malaysia]</b></li> <li>12. <b>Project Leader (PL)</b>, An Investigation of Critical Success Factors on Applying Online Exams during Covid-19 Pandemic: A Case Study at Majlis Peperiksaan Malaysia, <b>2021-2022 [Majlis Peperiksaan Malaysia]</b></li> <li>13. <b>Project Leader (PL)</b> – Flagship Project: Smart Farming Project Ecosystem for Academia-Industry Collaboration, <b>2021-present [ARB Berhad]</b></li> <li>14. <b>Co-Project Leader (CPL)</b> – Consultancy Project: Pelan Strategik Pendigitalan Pendaftar Mahkamah Persekutuan Malaysia 2021-2025, <b>2021-2023 [Mahkamah Malaysia]</b></li> <li>15. <b>ICT Chief Scientist Officer (CSO)</b> for ARB Berhad, <b>2021 [ARB Berhad]</b></li> <li>16. <b>ICT Technical Advisor (CTO)</b> for Aberys Innovation Sdn Bhd, <b>2021 [ARB Berhad]</b></li> <li>17. <b>Project Leader (PL)</b>, Development of SmartBin Waste Management Systems for 1Terengganu - Module II, <b>2019-2021 [Kerajaan Negeri Terengganu]</b></li> <li>18. <b>Project Leader (PL)</b>, Development of the SmartBin Waste Management Systems - Module II for Majlis Perbandaran Kemaman, <b>2018-2019 [Majlis Perbandaran Kemaman]</b></li> </ol>

19. **Project Leader (PL)**, *Development of the SmartBin Waste Management Systems - Module I for Majlis Bandaraya Shah Alam*, **2018-2019 [Majlis Bandaraya Shah Alam]**
20. **Project Leader (PL)**, *Development of the Smart Halal License Identification Systems*, **2018-2019 [Gates IT Sdn Bhd]**
21. **Project Leader (PL)**, *Development of the Putra Sukan System for UPM*, **2018-2019 [UPM]**
22. **ICT Business Consultant (CBO)**, Integrasi Erat Sdn. Bhd, IT Solution Small Medium Enterprise Company, Malaysia, **2017-2022**
23. **Co-Project Leader (CPL)**, *Pentest at Yayasan Pahang*, **2017-2018 [Yayasan Pahang]**
24. **Co-Project Leader (CPL)**, *Business Intelligence for Universiti Malaysia Pahang*, **2017-2018 [UMP]**
25. **Project Leader (PL)**, *Using ontology for Business Process Compliance (BPC) during requirement engineering*, **2015-2017 [Majlis Perbandaran Kemaman]**
26. **ICT Scientist Officer (CSO)**, Gates IT Sdn. Bhd, IT Solution Small Medium Enterprise Company, Malaysia, **2015-2016**
27. **ICT Academic Consultant (CSO)**, GR Tech Sdn. Bhd, IT Solution Small Medium Enterprise Company, Malaysia, **2016-2017**
28. **ICT Scholar Internship (CSO)**, Internship at Integrasi Erat Sdn. Bhd, IT Solution Small Medium Enterprise Company, Malaysia, **2015-2017**
29. **ICT Business Consultant (CBO)**, Business consultant, GreatLife Physio and Rehabilitation, **2013-2015**

#### **E.7 | STUDENT SERVICES – INBOUND / OUTBOUND / ATTACHMENET**

1. **Main Supervisor**, Visiting Researcher, **Clara Adamaly**, *Making Sense Data Project using Ontology-based Approach and Artificial Intelligence (AI)*, Université Paris-Est Créteil (UPEC), **France, 2026 [Inbound]**
2. **Main Supervisor**, Visiting Mobility Students, **UKM-ARB Smart Laboratory**, *Institute of Visual Informatics (IVI)*, Zhejiang Agriculture & Forestry University (ZAFU), **China, 2025. [Inbound]**.
3. **Main Supervisor**, Visiting Researcher, **Pasquale Fotia**, *Advances on Artificial Intelligence for Economic Models*, Università degli Studi Mediterranea di Reggio Calabria, **Italy, 2022-2023. [Inbound]**
4. **Main Supervisor**, Visiting PhD Students, **Mohd Yazid Bajuri**, *PhD Case Study and Technology Development*, Integrasi Erat Sdn Bhd (IESB), **Malaysia, 2021. [Attachment]**.
5. **Main Supervisor**, Visiting PhD Students, **Youceft Benferdia**, *PhD Case Study and Technology Development*, Integrasi Erat Sdn Bhd (IESB), **Malaysia, 2021. [Attachment]**.
6. **Main Supervisor**, Visiting PhD Students, **Mohd Khairul Maswan Mohd Redzuan**, *PhD Case Study and Technology Development*, Majlis Perbandaran Kemaman (MPK), **Malaysia, 2021. [Attachment]**.

#### **REFERENCES**

1. Name                   **Professor Dr. Riza Sulaiman**  
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2. Name                   **Professor Emeritus Dato Dr Tengku Mohamad Tengku Sembok**  
Occupation            Dean  
Email                    *tmts@iium.edu.my*  
Address                 KICT, IIUM