Azreen Azman

Fakulti Sains Komputer dan Teknologi Maklumat, Universiti Putra Malaysia• 43400 Serdang, Selangor, Malaysia
Phone: +603-9769 3078 • Fax: +603-8946 6576 • E-Mail: azreenazman@upm.edu.my, azreen.azman@gmail.com

Personal Details



Department:	Multimedia
Faculty:	Faculty of Computer Science and Information Technology
Field of Specialisation:	Information Retrieval, Natural Language Processing, and Intelligent Systems
Gender:	Male
Date of Birth:	06 October, 1977
Citizenship:	Malaysia
Staff ID:	A03543
Identification No:	771006-05-5455
Language:	Malay and English
Telephone (Office):	+603-97691752
Telephone (Mobile):	+6012-2842310
Date of Appointment in UPM:	4 May 2009
Date of Confirmation:	4 May 2010

Education

Ph.D	**Computing Science**, University of Glasgow, 2007 Concentration: Information Retrieval Thesis: Intertemporal Choice for Browsing in Information Retrieval
B.IT	**Information Systems Engineering**, Multimedia University, Malaysia, 2000
Diploma	**Software Engineering**, ITTM, Malaysia, 1997

Language

- English — Very Good
- Bahasa Melayu — Excellent

Employment

- Associate Professor, Universiti Putra Malaysia — Since Mar 2019
- Senior Lecturer, Universiti Putra Malaysia — May 2009 – Feb 2019
- Lecturer, Universiti Sains Islam Malaysia — Jan 2008 – Apr 2009
- System Engineer, ON Semiconductor, Senawang, Malaysia — Feb 2007 – Dec 2007
- System Analyst, ON Semiconductor, Senawang, Malaysia — Jul 1999 – Dec 2002

Teaching

I. Undergraduate

No.	Course Code	Course Name	Credit	Session	Evaluation (Max 5)
1	SMM2005	Introduction to Multimedia	3(2+1)	Semester I, 2009/2010	4.33

				Semester II, 2010/2011	4.53
2	SMM3001	Multimedia Technology	3(3+0)	Semester I, 2009/2010	4.35
3	SAK3002	Information Technology and Its Applications	3(2+1)	Semester II, 2009/2010	4.62
4	SSK3101	Computer Programming II	4(3+1)	Semester II, 2009/2010	4.21
				Semester II, 2011/2012	4.35
				Semester II, 2012/2013	4.17
				Semester II, 2014/2015	4.36
				Semester II, 2015/2016	4.20
5	SSK3100	Computer Programming I	4(3+1)	Semester I, 2010/2011	4.02
				Semester I, 2011/2012	4.23
				Semester I, 2011/2012	4.32
6	SKM2300	Introduction to Multimedia	3(2+1)	Semester I, 2010/2011	4.29
7	SMM4402	Multimedia Management	3(3+0)	Semester II, 2010/2011	4.41
8	SKM4401	Multimedia Project Management	3(3+0)	Semester I, 2024/2025	4.07
9	SSK3117	Data Structures	3(3+0)	Semester I, 2012/2013	4.07
				Semester I, 2013/2014	4.18
				Semester I, 2014/2015	4.20
10	SKM4301	Multimedia Information Retrieval	3(3+0)	Semester III, 2012/2013	
11	SKM4209	Natural Language Processing	3(3+0)	Semester II, 2013/2014	4.17
				Semester II, 2016/2017	4.31
				Semester II, 2017/2018	5.00
				Semester II, 2018/2019	4.27
				Semester I, 2021/2022	5.00
				Semester I, 2022/2023	4.68
12	SKM4204	Artificial Intelligence in Computer Games	3(3+0)	Semester III, 2014/2015	
				Semester I, 2015/2016	4.34

				Semester I, 2016/2017	4.16
				Semester I, 2017/2018	4.77
				Semester I, 2019/2020	4.40
				Semester II, 2020/2021	4.45
				Semester II, 2021/2022	4.41
				Semester I, 2022/2023	5.00
				Semester II, 2022/2023	4.70
13	SSE3001	Introduction to Software Engineering	3(3+0)	Semester II, 2017/2018	4.30
				Semester II, 2018/2019	4.46
14	SWE3001	Introduction to Software Engineering	3(3+0)	Semester II, 2024/2025	4.45
15	SSK3408	Database Application Development	4(3+1)	Semester I, 2018/2019	4.09
16	SSK3118	Data Structures and Algorithms	3(3+0)	Semester II, 2020/2021	4.77
				Semester I, 2021/2022	4.53
17	SKM3206	Natural Language Processing	3(2+1)	Semester I, 2023/2024	4.53
				Semester I, 2024/2025	4.25
				Semester I, 2025/2026	4.53
				Semester I, 2026/2027	
18	SKM3002	Mathematics for Multimedia Computing	3(3+0)	Semester II, 2023/2024	4.62
19	CSC3101	Object-oriented Programming	3(2+1)	Semester II, 2023/2024	4.84
20	CSC3600	Artificial Intelligence	3(2+1)	Semester I, 2024/2025	4.48
21	CCS3104	Advanced Programming	3(2+1)	Semester I, 2025/2026	4.58
				Semester I, 2026/2027	
22	CSM3601	Problem Solving using Artificial Intelligence	3(2+1)	Semester II, 2025/2026	4.72
				Semester II, 2025/2026	4.73
23	CSM3206	Natural Language Processing	3(2+1)	Semester I, 2026/2027	
		Total Credits	**165**		

II. Postgraduate

No.	Course Code	Course Name	Credit	Session	Evaluation (Max 5)
1	SMM5891	Special Topics in Multimedia	3(3+0)	Semester II, 2009/2010	4.36
2	SMM5305	Multimedia Information Systems	3(3+0)	Semester I, 2010/2011	4.37
3	SKM5306	Advanced Multimedia Information Retrieval	3(3+0)	Semester I, 2011/2012	4.27
				Semester I, 2012/2013	4.37
4	SSK5117	Advanced Data Structures	3(3+0)	Semester I, 2014/2015	3.88
				Semester II, 2014/2015	4.95
				Semester I, 2015/2016	4.76
				Semester I, 2016/2017	4.67
				Semester II, 2017/2018	4.67
				Semester II, 2018/2019	4.83
				Semester I, 2021/2022	5.00
5	SSK5606	Advanced Natural Language Processing	3(3+0)	Semester II, 2020/2021	4.04
				Semester I, 2022/2023	4.78
				Semester II, 2023/2024	4.81
				Semester II, 2024/2025	4.83
6	CCS5606	Advanced Natural Language Processing	3(3+0)	Semester II, 2024/2025	5.00
7	CSM5604	Conversational Artificial Intelligence	3(3+0)	Semester I, 2026/2027	
		Total Credits	**51**		

Supervisions

Supervision Role	PhD		Master by Thesis	
	Graduated	Active	Graduated	Active
Main Supervisor	6	6	-	2
Co-supervisor	12	4	3	-

I. Postgraduate (Chairman)

No.	Name	Level	Role	Research Title	Status
1	Nirase Fathima Abubacker	PhD	Main supervisor	Effective Rule Based Classifier Using Rule Refinement Technique for Mammographic Image Classification	Graduated 2017
2	Mostafa Ahmed Alksher	PhD	Main Supervisor	Modelling Lexical Semantics of Terms for Mining Idea in Information Retrieval	Graduated 2019
3	Eissa Mohammed Mohsen Alshari	PhD	Main Supervisor	Feature Extraction Based on Word Embeddings for Sentiment Analysis	Graduated 2019
4	Abokadr Somiya Aldweb Almoktar	PhD	Main Supervisor	Multi-class Imbalanced Data Classification using Dynamic Ensemble Learning, Optimised Kernel SVM, SMOTE Filtering, and Genetic Algorithm-driven KNN	Graduated 2025
5	Han Zhichao	PhD	Main Supervisor	Cross-modal retrieval hashing methods in multi-source heterogeneous data environments	Graduated 2025
6	Lu Zhixing	PhD	Main Supervisor	Tensor-based Multi-user Activity Recognition and Prediction in Cyber-Physical-Social Systems	Completed in 2026
7	Aldailami Edres Abdul Wahab Lutf	Master by Research	Main Supervisor	A Framework for Suspicious Human Activity Classification based on Object Detection with Skeleton Graph Convolution Network.	On-going since 2024
8	Malarvili A/P Nallayan	PhD	Main Supervisor	Context-Aware Modality Fusion in Sentiment Analysis: Reinforcement Learning for Dynamic Weighting	On-going since 2025
9	Heon Hi Teng	PhD	Main Supervisor	Hashtag Recommendation with Multimodal Approach	On-going since 2025
10	Chao Bing	PhD	Main Supervisor	Multimodal Sarcasm Detection Based on social media	On-going since 2025
11	Rusul Raeed Qasim Qasim	PhD	Main Supervisor	Compartment-conditioned Hypergraph Neural Networks for Biologically Stable and Generalizable Breast Cancer Survival Prediction	On-going since 2026
12	Mushfique Khaled Mohammad	Master by Research	Main Supervisor	Calibration Gap in Multilayer eKYC Verification Pipelines through Post-Hoc Probabilistic Calibration	On-going since 2026
13	Gong Guoqing	PhD	Main Supervisor	Towards Better Discrete Speech Representations: A Study of Neural Audio Codecs	On-going since 2026
14	Md Kawsarul Islam	PhD	Main Supervisor		On-going since 2026

II. Postgraduate (Committee)

No.	Name	Level	Role	Research Title	Status
1	Abdul Aziz bin Abdul Rahman	PhD	Co-supervisor	Multi-Class Switch Architecture Designs for High Speed Packet Switching	Graduated 2013

2	Aliyu Rufai Yauri	PhD	Co-supervisor	Quranic Based Concept Relation Extraction System	Graduated 2014
3	Fatemeh Safara	PhD	Co-supervisor	Automatic Heart Sound Analysis and Classification	Graduated 2014
4	Ehsan Safar Khorasani	Master by Thesis	Co-supervisor	Heart Beat Sound Retrieval Using Midi	Graduated 2011
5	Zulaini binti Yahya	Master by Thesis	Co-supervisor	English-Malay cross Language Information Retrieval by Domain Restriction Using Web Directory	Graduated 2013
6	Leila Mansourian	PhD	Co-supervisor	Improved Fuzzy Multimedia Ontologies for Semantic Image Annotation	Graduated 2017
7	Nurul Amelina Binti Nasharuddin	PhD	Co-supervisor	Malay-English Cross Lingual Information Retrieval Using Query Expansion Technique	Graduated 2017
8	Abubakar Roko	PhD	Co-supervisor	Retrieval of XML Elements Using Probabilistic Retrieval Model	Graduated 2016
9	Soodabeh Safa	PhD	Co-supervisor	Content Based Image Retrieval	Graduated 2016
10	Somayeh Shojaee	PhD	Co-supervisor	An Integrated Approach for Simultaneous Detection of Opinion Spam and Spammer in the Context of Product Review Sites	Graduated 2020
11	Zainal B Abdul Kahar	PhD	Co-supervisor	Hologran Pyramid Interaction for Cns Education Using Optical Flow	Graduated 2022
12	Saeed Bahrami	PhD	Co-supervisor	Performance Assessment Decisions Using Educational Data Classification	Graduated 2021
13	Lim Sie Hui	Master	Co-supervisor	Smartphone Touch Input Controller for Virtual Avatar Control of Object Selection in Mobile Virtual Reality	Graduated 2026
14	Nurul Ain Binti Mohd Salim	PhD	Co-supervisor	Development and Evaluation of an Immersive Virtual Simulated Patient for Communication Skills Training Among Medical Students	Graduated 2026
15	Hu Qiong	PhD	Co-supervisor	A Multi-Label Dataset and Deep Learning Models for Music Emotion Recognition Incorporating Cross-Cultural Audio and Lyrics	Graduated 2026
16	Iqbal Md Ishtiaq	PhD	Co-supervisor	Cultivating Resilience: YOLOv7 and Cutting-Edge Deep Learning Approaches for Accurate Plant Disease Identification, Elevating Agricultural Efficiency.	On-going since 2022
17	Li Weijin	PhD	Co-supervisor	An Improvement of Explainable AI for Classifying Brain Tumor	On-going since 2024
18	Ren Pengcheng	PhD	Co-supervisor	Hybrid Detection Methods for Colorectal Cancer and Breast Cancer Based on Neural Networks	On-going since 2024
19	Mouwiya Shaker Ahmad Al-Qaisieh	PhD	Co-supervisor	Self-Supervised and Ensemble-Based Deep Architectures for Human Action Recognition from Unlabelled Video	On-going since 2025

				Within a Universal Semantic Evaluation Framework	

III. Master by Coursework Project

No.	Name	Level	Role	Project Title	Status
1	Tahiru Shittu	Master Project	Main Supervisor	Effective Web-based User Interface for Collaborative Relevance Feedback	Completed 2010
2	Mustafa Adil Hashim	Master Project	Main Supervisor	Character Classification for License Plate Recognition Systems based on Image Processing using Matlab	Completed 2016

IV. Final Year Project / Bachelor Project

No.	Name	Level	Role	Project Title	Status
1	Nor Faseha Bt Darus	Bachelor	Main Supervisor	E-Tailor	Completed 2009
2	Nurul Hikmah Bt Maaruf	Bachelor	Main Supervisor	Search Engine for Quranic Text	Completed 2009
3	Nur Hakimah Bt Hussain	Bachelor	Main Supervisor	Online Outcome Based Education System – Student & Mobile Module	Completed 2009
4	Mohd Safwan B Abu Hassan	Bachelor	Main Supervisor	Online Outcome Based Education System – Main & Administrator Module	Completed 2009
5	Nur Ain Suria Soo Bt Abdullah	Bachelor	Main Supervisor	Online Outcome Based Education System – Instructor Module	Completed 2009
6	Norsuliza Bt Mat Said	Bachelor	Main Supervisor	Dunia Nombor	Completed 2009
7	Norazlina Bt Ahmad	Bachelor	Main Supervisor	Sistem Simpanan Dokumen di Rumah (SSDR)	Completed 2009
8	Muhammad Saiful Shamin B Shamsudin	Bachelor	Main Supervisor	Managing Multimedia Data for LMS	Completed 2010
9	Ng Shay Fen	Bachelor	Main Supervisor	OBES (OBE System)	Completed 2010
10	Tan Li Ling	Bachelor	Main Supervisor	OBES (OBE System)	Completed 2010
11	Tam Hem Gee	Bachelor	Main Supervisor	Calories Fitness Personal Assistance for Healthy Lifestyle	Completed 2012
12	Ng Ling Hui	Bachelor	Main Supervisor	Calories Fitness Personal Assistance for Healthy Lifestyle	Completed 2012
13	Tham Pei Keng	Bachelor	Main Supervisor	Calories Fitness Personal Assistance for Healthy Lifestyle	Completed 2012
14	Liong Ming Chang	Bachelor	Main Supervisor	Calories Fitness Personal Assistance for Healthy Lifestyle	Completed 2012
15	Lian Xing Yi	Bachelor	Main Supervisor	Calories Fitness for Mobile – Weight Management Apps	Completed 2013
16	Nurul Faizah Bt Khairuddin	Bachelor	Main Supervisor	Charity Fund System	Completed 2013
17	Nor Basiraton Bt Safein	Bachelor	Main Supervisor	Charity Fund System	Completed 2013

18	Chow Sia Fen	Bachelor	Main Supervisor	Instant Teaching Evaluation System – Android Apps	Completed 2014
19	Wong Zi Teng	Bachelor	Main Supervisor	Instant Teaching Evaluation System – iOS Apps	Completed 2014
20	Lai Soo Yee	Bachelor	Main Supervisor	Instant Teaching Evaluation System – Web Management	Completed 2014
21	Raja Nurul Hasliza Bt Raja Azman	Bachelor	Main Supervisor	Product Review Retrieval System	Completed 2015
22	Mohammad Basha B Mohd @ Mohd Yusof	Bachelor	Main Supervisor	Self Reflection Feedback System for Elderly Care Support System on Mobile Apps	Completed 2015
23	Mohd Irwan B Hussain	Bachelor	Main Supervisor	Elderly Care Support System on Mobile Apps	Completed 2015
24	Syazani B Zulkarnain	Bachelor	Main Supervisor	Elderly Care Support System (Social Information)	Completed 2015
25	Nur Jannah Zawani Bt Ahmad	Bachelor	Main Supervisor	Rate Me! (Instant Rating System)	Completed 2015
26	Ahmad Syafiq B Mohd Termizi	Bachelor	Main Supervisor	A System to Collect and Analyse Twitter for Opinion Mining	Graduated 2016
27	Farah Zahirah Bt Nordin	Bachelor	Main Supervisor	Instant Rating System (Web Application)	Completed 2017
28	Mohammad Fazley B Sanusi	Bachelor	Main Supervisor	Fexper: Decision Support System for Foreign Exchange Trader	Completed 2017
29	Mohd Rusydi B Hashim	Bachelor	Main Supervisor	Mobile Application for Hasrol's Burger System	Completed 2018

V. Internship

No.	Name	Level	Role	Company	Status
1	Noor Sumaiyah Bt Che Leh	Bachelor	Visiting Supervisor	Multi Media Synergy Corporation (MMSC) Ventures Sdn Bhd	Completed 2012
2	Khairunnisa Bt Mispa	Bachelor	Visiting Supervisor	Multi Media Synergy Corporation (MMSC) Ventures Sdn Bhd	Completed 2012
3	Choong Wen Li	Bachelor	Visiting Supervisor	Multi Media Synergy Corporation (MMSC) Ventures Sdn Bhd	Completed 2012
4	Seou Sin Yong	Bachelor	Visiting Supervisor	Techbase Solution Sdn Bhd (Ipoh)	Completed 2013
5	Chia Peiny	Bachelor	Visiting Supervisor	Amway IT Services Sdn Bhd	Completed 2013
6	Pang Pui Yee	Bachelor	Visiting Supervisor	Techbase Solution Sdn Bhd (Midvalley)	Completed 2014
7	Ng Xue Chin	Bachelor	Visiting Supervisor	Techbase Solution Sdn Bhd (Midvalley)	Completed 2014
8	Nge Kin Huat	Bachelor	Visiting Supervisor	Innovative International College, Petaling Jaya	Completed 2014
9	Hew Wei Yee	Bachelor	Visiting Supervisor	Techbase Solution Sdn Bhd (Ipoh)	Completed 2014
10	Noor Aqilah Bt Yusoff	Bachelor	Visiting Supervisor	Felda Global Venture Holding Bhd (FGV)	Completed 2016
11	Nurhazwani Bt Husaini	Bachelor	Visiting Supervisor	Nibiru Pictures Sdn Bhd	Completed 2016

12	Jacklyn Min Anak Smail	Bachelor	Visiting Supervisor	Medianetic Sdn Bhd	Completed 2017
13	Nur Asylah Bt Suwadi	Bachelor	Visiting Supervisor	Paysys (M) Sdn Bhd	Completed 2017
14	Amir Hakimi B Amir Hamzah	Bachelor	Visiting Supervisor	Silent Mode Sdn Bhd	Completed 2018

Research Activities

Summary	Principle Investigator	Co-Researcher	Total
Total Amount (RM)	500,000.00	2,093,931.00	2,593,931.00
Number of Grant	10	15	25
ScienceFund (MOSTI)	1	1	2
LRGS (MOHE)	-	2	2
FRGS (MOHE)	2	6	8
TRGS (MOHE)	-	1	1
RUGS (UPM)	2	1	3
Geran Putra (UPM)	2	1	3
GIPP (UPM)	1	2	3
Private/International	2	1	3

I. Principle Investigator

No.	Project Title	Role	Amount	Sponsor	Duration	Status
1	Development of an Analytic Tool to Study Video Post Virality on TikTok	Principle Investigator	RM15,000.00	CCreators Pte. Ltd., Singapore (Private/International)	Jan 2023 – Dec 2023	On-going
2	Anomaly Detection and Failure Prediction Models of Tape Library for Preventive Maintenance Systems by Using Machine Learning	Principle Investigator	RM40,000.00	Quantum Corporation (Private/International)	Nov 2022 – Oct 2024	On-going
3	Multimodal Learning Analytics Toward Improvement of Personalized Learning	Principle Investigator	RM50,000.00	Geran Putra (UPM)	Dec 2017 – Dec 2019	Completed
4	An Effective Model to Predict Sentiment Influence Within Social Media Based on Information Foraging Theory	Principle Investigator	RM 88,000.00	Fundamental Research Grant Scheme (MOHE)	Nov 2015 – May 2018	Completed
5	Computer Aided Diagnostic for Mammogram based on Dynamic Knowledge Refinement	Principle Investigator	RM 15,000.00	Geran Putra (UPM)	Jul 2014 – Dis 2015	Completed
6	An Integrated Approach Based on Co-Classification of	Principle Investigator	RM151,000.00	ScienceFund (MOSTI)	Jun 2013 – May 2015 (24 months)	Completed

	Opinion Spam and Spammer Detection Framework to Enhance the Effectiveness of Opinion Retrieval System					
7	An Integrated Approach for Simultaneous Detection of Opinion Spam and Spammer in the Context of Product Review Sites	Principle Investigator	RM33,000.00	Research University Grant Scheme (UPM)	Nov 2012 – Oct 2014 (24 months)	Completed
8	Quranic Verses Extraction using Semantic Technology of Natural Language Query Formulation	Principle Investigator	RM54,000.00	Research University Grant Scheme (UPM)	Nov 2012 – Oct 2014 (24 months)	Completed
9	Effective Collaborative Learning within Learning Management Systems (LMS) through OBE Integration	Principle Investigator	RM10,000.00	Geran Insentif Penyelidikan Pengajaran dan Pembelajaran (UPM)	Aug 2012- Jul 2013 (12 months)	Completed
10	Collaborative Relevance Feedback as an Effective Algorithm for Islamic Question Answering Systems	Principle Investigator	RM44, 000.00	Fundamental Research Grant Scheme (MOHE)	Apr 2010- Mar 2012 (24 months)	Completed
		Total Amount	RM500,000.00			

II. Co-Researcher

No.	Project Title	Role	Amount	Sponsor	Duration	Status
1	An improved Feature Extraction and Multi-Label Multi-Class Classification in Deep Learning for Pleural Tuberculosis Diagnosis	Co-researcher	RM109,707.00	Fundamental Research Grant Scheme (MOHE)	Nov 2020 – Oct 2023	On-going
2	Formulating Ground Normalized	Co-researcher	RM147,800.00	Fundamental Research	Sep 2019 – Aug 2022	On-going

	Difference vegetation Index (G-NDVI) for detecting stressed crops using sub-pixel regional registration and sub-pixel temporal analysis			Grant Scheme (MOE)		
3	Establishing a new approach of clinical communication skills assessment for medical students using an immersive virtual simulated patient.	Co-researcher	RM191,300.00	Fundamental Research Grant Scheme (MOE)	Sep 2019 – Aug 2022	On-going
4	Understanding reaction to Emotion-elicit Provocative News Among Malaysians	Co-researcher	RM100,497.00	Integrity Foundation Research Grant (Facebook - International)	Mar 2019 – May 2020	On-going
5	New Algorithm for Automated Ontology Merging based on Semantic Concepts Similarity Matching	Co-researcher	RM51,000.00	Fundamental Research Grant Scheme (MOHE)	Aug 2017 – July 2020	On-going
6	A Hierarchy Holographic Modelling with Unified Four Views Rendering for Central Nervous System Visualization	Co-researcher	RM165,600.00	Trans-disciplinary Research Grant Scheme (MOHE)	Jan 2016 – Dec 2018	On-going
7	Multi-attribute Decision Making Using Fuzzy System and Z-Numbers	Co-researcher	RM43,000.00	Geran Putra (UPM)	Feb 2018 – Feb 2020	On-going
8	Student Evaluation Model for the Implementation of iCGPA in Computer Science Curriculum	Co-researcher	RM15,000.00	Geran Insentif Penyelidikan Pengajaran dan Pembelajaran (UPM)	Aug 2016 – Jul 2018	On-going
9	MedicPutraQBank: A database for an effective storage and management of test items for Doctor of Medicine	Co-researcher	RM15,000.00	Geran Insentif Penyelidikan Pengajaran dan Pembelajaran (UPM)	Nov 2017 – Nov 2019	On-going

	programme in Universiti Putra Malaysia.					
10	Large-Scale Evaluation of the developed Computer Aided Auscultation System at Malaysian Hospitals	Co-researcher	RM68,150.00	ScienceFund (MOSTI)	Aug 2013 – Jan 2015 (18 months)	Completed
11	Identifying Psychosocial and Economic Risk Factors and Quantifying the Costs of Age-related Cognitive Impairment: Implications of Population Ageing in Malaysia	Co-researcher	RM830,461.00	Long-term Research Grant Scheme (MOHE)	2012-2016 (48 months)	Completed
12	Indigenous Ensemble Semantic Model for Knowledge-Based Society	Co-researcher	RM250,416.00	Long-term Research Grant Scheme (MOHE)	Aug 2011-Jul 2014 (36 months)	Completed
13	A Method to Align Malay-English Comparable News Collection for Cross-Language Information Retrieval	Co-researcher	RM46, 000.00	Fundamental Research Grant Scheme (MOHE)	Oct 2010-Sep 2012 (24 months)	Completed
14	Semantic Query Formulation on Islamic Contextual Corpora	Co-researcher	RM13,000.00	Research University Grant Scheme (UPM)	Apr 2011 – Sep 2012 (18 months)	Completed
15	Development of an Intervention Model for Business Impact Analysis in the Implementation of the Business Continuity Management Process	Co-researcher	RM47, 000.00	Fundamental Research Grant Scheme (MOHE)	Oct 2008-Apr 2010 (18 months)	Completed
		Total Amount	RM2,093,931.00			

Intellectual Properties

I. **Patent**
None

II. **Copyright**

No.	Title	Category	Certificate Date
1	OBEsys: OBE-Based Learning Management System	Software	5 Mar 2012
2	Sticker Board Personal Organizer Software	Software	8 Feb 2012
3	Calories Fitness Windows Phone 8 Apps	Software	27 Dec 2013
4	Calories Fitness Web Application	Software	27 Dec 2013
5	AI based Alert System for Cooking using Camera	Software	23 Dec 2023
6	Social Media News Consumption-Reaction Survey	Literary Work	25 Oct 2024

Publications

Summary	Scopus (CIJ)	Google Scholar
h-index	17	21
Total Citations	1122	1855
Journal	48	56
Chapter in Books	10	10
Conference Proceedings	48	48

I. Citation Index Journal

No.	Authors	Year	Title	Journal Name	Vol. No.	Page No.
1	Abokadr, S., **Azman, A.**, Hamdan, H., & Nasharuddin, N. A. 13789.	2026	Kernel-based dynamic ensemble approach for classifying imbalanced data with overlapping classes	*Scientific Reports* (JIF 4.9, Q1 – 2025, JCR)	Vol. 16 No. 1	
2	Mohd Salim, N. A., **Azman, A**., Sulaiman, P. S., Roslan, N. S., Hod, R., & Adam, S. K.	2026	Development and validation of virtual patients for assessing history taking and communication skills among medical students.	*BMC Medical Education* (JIF 4.2, Q1-2025, JCR)	*Vol. 26* No. 1	
3	Hu, Q. Q., Azmi-Murad, M. A. M., **Azman, A**. B., & Nasharuddin, N. A.	2026	Revisiting the Role of Lyrics in Music Emotion Recognition: A Critical Analysis of the Semantic–Perceived Emotion Gap and Methodological Challenges.	*Information Fusion* (JIF 17.4, Q1-2025, JCR)		
4	Hu, Q., Murad, M. A. A., **Azman, A**. B., & Nasharuddin, N. A..	2026	Target-conditioned triple-path consistency for distributional music emotion regression.	*Knowledge-Based Systems* (JIF 8.0, Q1-2025, JCR)	Vol. 336 No. 115317.	
5	Ding, Z., Yaakob, R., Wei, K. T., **Azman, A. B**., Rum, S. N. B. M., Zakaria, N. F. B., & Nazri, A. S. A.	2026	TB-FusionNet: A Multi-Scale Feature Fusion Algorithm With Spatial and Channel Cross-Attention for	*IEEE Access* (JIF 4.2, Q1-2025, JCR)	Vol. 14	4675-4687

			Tuberculosis Detection.			
6	Hu, Q., Azrifah Azmi Murad, M., **Azman, A. B.**, & Nasharuddin, N. A.	2025	A weighted difference loss approach for enhancing multi-label classification.	*Scientific Reports* (JIF 3.9, Q1-2024, JCR)	Vol. 15 No. 1	
7	Lu, Z., Yang, L. T., **Azman, A**., Zhou, F., Zhang, S., & Fu, X.	2025	Tensor-Based Hidden Semi-Markov Model for CPSS User Activity Analysis and Services.	*IEEE Transactions on Services Computing* (JIF 5.8, Q1-2024, JCR)	Vol. 18 No. 6	4234 - 4247
8	Lu, Z., Yang, L. T., **Azman, A.**, Zhang, S., & Zhou, F.	2025	Tensor-Based Factorial Hidden Markov Model for Cyber-Physical-Social Services	*IEEE Transactions on Services Computing* (JIF 5.8, Q1-2024, JCR)	Vol. 18 No. 3	1825-1837
9	Han, Z., **Azman, A.**, Rina Mustaffa, M., & Khalid, F.	2025	Domain adaptation with category-level contrastive learning for semi-supervised cross-modal hashing.	*Applied Intelligence* (JIF 3.5, Q2-2024, JCR)	Vol. 55 No. 11	813
10	Abokadr, S., **Azman, A.,** Hamdan, H., & Amelina, N.	2025	An Effective Filtering Extension Technique of SMOTE for Controlled Synthetic Data Generation	*Journal of Theoretical and Applied Information Technology* (Scopus-2025)	Vol. 103 No. 8	3254 - 3263
11	Ding, Z., Yaakob, R., **Azman, A.**, Rum, S. N. M., Zakaria, N., & Nazri, A. S. A.	2025	Artificial intelligence-powered tuberculosis detection with complementary domain attention model	*Neurocomputing* (JIF 6.5, Q1-2024, JCR)	Vol. 637 No. 130089	
12	Han, Z., **Azman, A.,** Khalid, F., & Mustaffa, M. R.	2024	Multi-Granularity Semantic Information Integration Graph for Cross-Modal Hash Retrieval.	*IEEE Access* (JIF 3.4, Q2-2023, JCR)	Vol. 12	44682-44694
13	Han, Z., **Azman, A**., Mustaffa, M. R. & Khalid, F.	2024	Cross-Modal Retrieval: A Review of Methodologies,	*IEEE Access* (JIF 3.4, Q2-2023, JCR)	Vol. 12	115716-115741

			Datasets, and Future Perspectives			
14	Liu Y., Khalid F.B., Mustaffa M.R.B., **Azman A.B.**	2024	Dual-modality learning and transformer-based approach for high-quality vector font generation	*Expert Systems with Applications* (JIF 7.5, Q1-2023, JCR)	Vol. 240 No. 122405	
15	Liu, Y., binti Khalid, F., Wang, C., binti Mustaffa, M. R., & **bin Azman, A**.	2024	An end-to-end chinese font generation network with stroke semantics and deformable attention skip-connection.	*Expert Systems with Applications* (JIF 7.5, Q1-2023, JCR)	Vol. 237 No. 121407	
16	Sulaiman, P. S., Khalid, F., **Azman, A.,** & Hanafi, M.	2024	Reviewing Vegetation Indices for Mobile Application: Potentials and Challenges.	*Journal of Advanced Research in Applied Sciences and Engineering Technology* (Scopus-2024)	Vol. 35 No. 2	33-46
17	Abokadr, S., **Azman, A.,** Hamdan, H., & Amelina, N.	2023	Enhancing Rare Disease Diagnosis: A Weighted Cosine Similarity Approach for Improved K-Nearest Neighbor Algorithm.	*Journal of Theoretical and Applied Information Technology* (Scopus-2023)	Vol. 101 No. 17	
18	Zeyu, D., Yaakob, R., **Azman, A.,** Rum, S. N. M., Zakaria, N., & Nazri, A. S. A.	2023	TBVA-GAN: A Class Activation Mapping-Guided Tuberculosis Visual Attribution Generative Adversarial Network.	*Journal of Theoretical and Applied Information Technology* (Scopus-2023)	Vol. 101 No. 22	
19	Abubacker, N.F., **Azman, A**., Doraisamy, S. and Murad, M.A.A.,	2022	Breast cancer detection by using associative classifier with rule refinement method based on relevance feedback	*Neural Computing and Applications* (JIF 5.1, Q2-2021, JCR)	Vol. 34 No. 19	16897-16910
20	Palasundram, K., Sharef, N.M., Kasmiran, K.A. and **Azman, A.,**	2021	SEQ2SEQ++: A Multitasking-Based Seq2seq Model to Generate Meaningful and Relevant Answers	*IEEE Access* (JIF 3.367, Q2-2020, JCR)	Vol. 9	164949-164975

21	Kahar, Z.A., Sulaiman, P.S., Khalid, F. and **Azman, A.,**	2021	Skeleton Joints Moment (SJM): A Hand Gesture Dimensionality Reduction for Central Nervous System Interaction.	*IEEE Access* (JIF 3.367, Q2-2020, JCR)	Vol. 9	146640-146652
22	Alfred, R., Jie, L.Y., Obit, J.H., Lim, Y., Haviluddin, H. and **Azman, A.,**	2021	Social Media Mining: A Genetic Based Multiobjective Clustering Approach to Topic Modelling.	*IAENG International Journal of Computer Science* (Scopus – 2021)	Vol. 48 No. 1	
23	E.M. Alshari, **A. Azman,** S. Doraisamy and N. Mustapha	2020	SENTI2VEC: An Effective Feature Extraction Technique for Sentiment Analysis Based on WORD2VEC	*Malaysian Journal of Computer Science (MJCS)* (Scopus) (IF: 0.65 – 2017)	Vol. 33 No. 3	240 - 251
24	K. Palasundram, N. Mohd Sharef, K.A. Kasmiran and **A. Azman**	2020	Enhancements to the Sequence-to-Sequence-Based Natural Answer Generation Models	*IEEE Access*	Vol. 8	45738 - 45752
25	**A. Azman**, M. Alksher, E. Alshari, R. Yaakob and S. Doraisamy	2019	Optimization of idea mining model based on text position weight	*International Journal of Advanced Trends in Computer Science and Engineering* (Scopus)	Vol. 8 No. 1.4	120-125
26	N.A. Nasharuddin, M.T. Abdullah, **A. Azman** and R.A. Kadir	2019	A framework for English and Malay cross-lingual document alignment method	*International Journal of Advanced Trends in Computer Science and Engineering* (Scopus)	Vol. 8 No. 1.3	190-195
27	S.S Meraj, R. Yaakob, **A. Azman**, S.N.M. Rum and A.S.A. Nazri.	2019	Detection of pulmonary tuberculosis manifestation in chest X-rays using different convolutional neural network (CNN) models	*International Journal of Engineering and Advanced Technology* (Scopus)	Vol. 9 No. 1	2270-2275
28	S.S Meraj, R. Yaakob, **A. Azman**, S.N.M. Rum, A.S.A. Nazri and N. Fadhlina Zakaria	2019	Artificial Intelligence in diagnosing tuberculosis: A review	*International Journal on Advanced Science, Engineering and Information Technology*	Vol. 9 No. 1	81-91

				(Scopus)		
29	K. Palasundram, N. Mohd Sharef, N.A. Nasharuddin, K.A. Kasmiran and **A. Azman**	2019	Sequence to sequence model performance for education chatbot	*International Journal of Emerging Technologies in Learning (Scopus)*	Vol. 14 No. 24	56 - 68
30	M. Alksher, **A. Azman**, R. Yaakob, E.M. Alshari, R.A. Kadir and A. Mohamed	2018	Effective Idea Mining Technique Based on Modeling Lexical Semantic	*Journal of Theoretical and Applied Information Technology* (Scopus)	Vol. 96 No. 16	5350 - 5362
31	R.A. Kadir, R.A. Yauri and **A. Azman**	2018	Semantic ambiguous query formulation using statistical linguistics technique	*Malaysian Journal of Computer Science* (IF: 0.65 – 2017)	Special Issue	48-56
32	L. Mansourian, M.T. Abdullah, L.N. Abdullah, **A. Azman** and M.R. Mustaffa	2018	An effective fusion model for image retrieval	*Multimedia Tools and Applications* (Scopus) (IF: 1.541 – 2017)	Vol. 77 No. 13	16131 - 16154
33	N.F. Abubacker, **A. Azman**, S. Doraisamy and M.A.A. Murad	2017	An integrated method of associative classification and neuro-fuzzy approach for effective mammographic classification	*Neural Computing and Applications* (Scopus) (IF: 4.213 – 2017)	Vol. 28 No. 12	3967– 3980
34	N.F. Abubacker, **A. Azman**, M.A.A. Murad, and S. Doraisamy	2017	An improved peripheral enhancement of mammogram images by using filtered region growing segmentation	*Journal of Theoretical and Applied Information Technology* (Scopus)	Vol. 95 No. 14	3270 - 3280
35	M.R. Mustaffa, **A. Azman**, and G. Kunesegeran	2017	Content-based image retrieval using color models and linear discriminant analysis	*Advanced Science Letters* (Scopus)	Vol. 23 No. 6	5387 - 5390
36	L. Mansourian, M.T. Abdullah, L.N. Abdullah, **A. Azman** and M.R. Mustaffa	2016	A Salient Based Bag of Visual Word Model (SBBoVW): Improvements	*KSII Transactions on Internet and Information Systems* (Scopus) (IF: 0.611 – 2017)	Vol. 10 No. 2	769 - 786

			toward Difficult Object Recognition and Object Location in Image Retrieval.			
37	N.F. Abubacker, **A. Azman**, M.A.A. Murad and S. Doraisamy	2015	Effective rule based classifier using multivariate filter and genetic miner for mammographic image classification	*Research Journal of Applied Sciences, Engineering and Technology* (Scopus)	Vol. 10 No. 5	591 - 598
38	L. Mansourian, M.T. Abdullah, L.N. Abdullah and **A. Azman**	2015	Evaluating classification strategies in bag of SIFT feature method for animal recognition	*Research Journal of Applied Sciences, Engineering and Technology* (Scopus)	Vol. 10 No. 11	1266 - 1272
39	S. Safa, F. Khalid, L.N. Abdullah and **A. Azman**	2015	Multi view K-SVD dictionary learning for plant identification	*International Journal of Applied Engineering Research* (Scopus)	Vol. 10 No. 6	14939 - 14951
40	A. Roko, S. Doraisamy, A.H. Jantan and **A. Azman**	2015	Effective keyword query structuring using NER for XML retrieval	*International Journal of Web Information Systems* (Scopus)	Vol. 11 No. 1	33 - 53
41	A.R. Yauri, R.A. Kadir, **A. Azman** and M.A.A Murad (Senior Author – Principle Investigator)	2015	Semantic Triple Ranking based on Levenshtien Reverse Engineering Approach	*Research Journal of Applied Sciences, Engineering and Technology*	Vol. 11 No. 5	468 - 472
42	S. Shojaee and **A. Azman** (Senior Author – Main Supervisor)	2013	An Evaluation of Factors Affecting Brand Awareness in the Context of Social Media in Malaysia	*Asian Social Science* (Scopus)	Vol. 9 No. 17	72 - 78
43	Z. Yahya, M.T. Abdullah, **A. Azman** and R.A. Kadir	2013	Query Translation Using Concepts Similarity Based on Quran Ontology for Cross-Language Information Retrieval	*Journal of Computer Science* (Scopus)	Vol. 9 No. 7	889-897
44	F. Safara, S. Doraisamy, **A. Azman**, A. Jantan and S. Ranga	2013	Multi-level basis selection of wavelet packet decomposition tree for heart	*Computers in Biology and Medicine* (Scopus) (IF 2.115 - 2017)	Vol. 43 No. 10	1407-1414

			sound classification			
45	A.R. Yauri, R.A. Kadir, **A. Azman** and M.A.A Murad (Senior Author – Principle Investigator)	2013	Quranic Verse Extraction base on Concepts using OWL-DL Ontology	*Research Journal of Applied Sciences, Engineering and Technology* (Scopus)	Vol. 6 No. 23	4492-4498
46	F. Safara, S. Doraisamy, **A. Azman**, A. Jantan and S. Ranga	2012	Wavelet packet entropy for heart murmurs classification	*Advances in Bioinformatics* (Scopus)		6 pages
47	A. Abdul Rahman, K. Seman, K. Saadan, A. K. Samingan and **A. Azman**	2012	Scheduler Algorithm for Multi-Class Switch with Priority Threshold	*International Journal of Communications, Network and System Sciences* (ERA)	Vol. 5	313-320
48	E.S. Khorasani, S. Doraisamy and **A. Azman**	2011	Automatic Heart Diseases Detection Techniques using Musical Approaches	*Journal of Applied Sciences* (Scopus)	Vol. 11 No. 17	3161-3168

II. Non-Citation Index Journal

No.	Authors	Year	Title	Journal Name	Vol. No.	Page No.
1	Salam, Z.A.A., Kadir, R.A. and **Azman, A.,**	2021	Ontology Merging Using Protégé–A Case Study.	*Journal of Information System and Technology Management.*	Vol. 6 No. 22	148 - 157
2	A. Roko, S. Doraisamy, A.H. Jantan and **A. Azman**	2018	Named Entity Based Ranking with Term Proximity for XML Retrieval	*International Journal of Information Retrieval Research (IJIRR)*	Vol. 8 No. 2	57 - 77
3	A.R. Yauri, R.A. Kadir, **A. Azman** and M.A.A Murad (Senior Author – Principle Investigator)	2015	Review of Computer-Based Academic Research on the Quran	*Research Journal of Information Technology*	Vol. 6 No. 3	33 - 38
4	A.A. Abdul Rahman, K. Seman, S. Saadan, **A. Azman** and F. Salim	2013	Non-Uniform Traffic Performance of Multi-Class Scheduling Technique with Dual Threshold	*International Journal of Engineering and Innovative Technology (IJEIT)*	Vol. 3 No. 4	496 - 502

5	F. Safara, S. Doraisamy, **A. Azman**, A. Jantan and S. Ranga	2013	Diagnosis of Heart Valve Disorders through Trapezoidal Features and Hybrid Classifier	*International Journal of Bioscience, Biochemistry and Bioinformatics*	Vol. 3 No. 6	662 - 665
6	R.A. Kadir, T.M.T. Sembok, F. Ahmad and **A. Azman**	2013	Normalization Strategy of Logical Knowledge Representation for Text Document	*International Journal of Engineering and Technology*	Vol. 5 No. 1	98-103
7	N.A. Nasharuddin, M.T. Abdullah, **A. Azman**, R.A. Kadir and E. Herrera-Viedma	2013	Feature-based Similarity Method for Aligning the Malay and English News Documents	*International Journal of Computers & Technology*	Vol. 11 No. 4	2410-2421
8	R.A. Kadir, H. Musa, **A. Azman** and M.T. Abdullah	2011	Syllabification Algorithm based on Elicitation Method and Syllable Matching Rules for Malay Language	*Journal of Computer Science and Engineering*	Vol. 8 No. 2	

III. Other Journal

No.	Authors	Year	Title	Journal Name	Vol. No.	Page No.
1	A.R. Yauri, R.A. Kadir, **A. Azman** and M.A.A. Murad	2015	Semantic Concept Search based on Triple Matching Approach	*Journal of Convergence Information Technology (JCIT)*	Vol. 10 No. 2	98 - 105
2	A. A. Abdul Rahman, K. Seman, K. Saadan and **A. Azman**	2010	Adaptive Dual Threshold Multi-Class Scheduling for Packet Switch	*International Journal of Computer and Network Security*	Vol. 2 No. 8	21-26
3	R. Abubakar, S. Doraisamy, **A. Azman** and A. Jantan	2013	Document Enrichment Using Semantic Tags for Effective XML Retrieval	*International Journal of Advancements in Computing Technology* (IJACT)	Vol. 5 No. 13	138-146
4	A.H. Azni, M.M. Saudi, **A. Azman**, and A.S. Johari	2009	Performance Analysis of Routing Protocol for WSN Using Data Centric Approach	*World Academy of Science, Engineering and Technology*	Vol. 53	199-202

IV. Chapters in Book

No.	Authors	Year	Title	Book Name	Page No.
1	**A. Azman**, M. Alksher, S. Doraisamy, R. Yaakob and E. Alshari	2020	A Framework for Automatic Analysis of Essays Based on Idea Mining.	Alfred R., Lim Y., Haviluddin H., On C. (eds) Computational Science and Technology. Lecture Notes in Electrical Engineering, vol 603. Springer, Singapore (Scopus)	639-648
2	M. Ting, R.A. Kadir, **A. Azman**, T.T.T. Sembok and F. Ahmad	2019	Named Entity Enrichment Based on Subject-Object Anaphora Resolution	Arai K., Bhatia R., Kapoor S. (eds) Intelligent Computing. CompCom 2019. Advances in Intelligent Systems and Computing, vol 998. Springer, Cham (Scopus)	873-884
3	N.F. Abubacker, **A. Azman**, M.A.A Murad and S. Doraisamy	2018	Adaptive Associative Classifier for Mammogram Classification	Bi Y., Kapoor S., Bhatia R. (eds) Proceedings of SAI Intelligent Systems Conference (IntelliSys) 2016. IntelliSys 2016. Lecture Notes in Networks and Systems, vol 15. (Scopus)	721 - 736
4	M.A. Alksher, **A. Azman**, R. Yaakob, A. Mohamed and E. Alshari	2017	A framework for idea mining evaluation.	H. Fujita et al. (Eds.): New Trends in Intelligent Software Methodologies, Tools and Techniques. (Scopus)	550 - 559
5	N.A. Nasharuddin, M.T. Abdullah, **A. Azman** and Kadir R.A.	2017	English and Malay Cross-lingual Sentiment Lexicon Acquisition and Analysis.	Kim K., Joukov N. (eds) Information Science and Applications 2017. ICISA 2017. Lecture Notes in Electrical Engineering, vol 424. (Scopus)	467 - 475
6	L. Mansourian, M.T. Abdullah, L.N. Abdullah, **A. Azman** and M.R. Mustaffa.	2015	BoVW Model for Animal Recognition: An Evaluation on SIFT Feature Strategies.	Badioze Zaman H. et al. (eds) Advances in Visual Informatics. IVIC 2015. Lecture	227 - 236

				Notes in Computer Science, vol 9429. Springer, Cham (Scopus)	
7	M. Ting, R. A. Kadir, T. M. T. Sembok, F. Ahmad, and **A. Azman**	2015	Adaptive Learning for Lemmatization in Morphology Analysis.	Fujita H., Selamat A. (eds) Intelligent Software Methodologies, Tools and Techniques. SoMeT 2014. Communications in Computer and Information Science, vol 513. Springer, Cham (Scopus)	343 - 357
8	N.F. Abubacker, **A. Azman**, S. Doraisamy, M.A.A. Murad and R. Saravanan	2014	Correlation-Based Feature Selection for Association Rule Mining in Semantic Annotation of Mammographic Medical Images	Jaafar A. et al. (eds) Information Retrieval Technology. AIRS 2014. Lecture Notes in Computer Science, vol 8870. Springer, Cham (Scopus)	482 - 493
9	M. Ting, R. A. Kadir, T. M. T. Sembok, F. Ahmad, and **A. Azman**	2014	Feasibility Study Concerning the Use of Reasoning Technique in Semantic Reasoners.	Jaafar A. et al. (eds) Information Retrieval Technology. AIRS 2014. Lecture Notes in Computer Science, vol 8870. Springer, Cham (Scopus)	371 - 381
10	**A. Azman**, I. Ounis	2009	Browsing Recommendation based on the Intertemporal Choice Model	T. Andreasen et al. (Eds.): FQAS 2009, LNCS (LNAI) 5822 (Scopus)	215 - 226

V. Conference Proceedings

No.	Authors	Year	Title	Proceedings Name	Page No.
1	Vanoo, V., & **Azman, A.**	2025	Enhancing legal text classification performance by using DistilBERT.	In the Proceeding of the International Visual Informatics Conference (IVIC'25)	180-191
2	Wang, X., & **Azman, A.**	2025	LoRA-Based Efficient Fine-Tuning of Transformer Models for Short Text Classification.	In the Proceeding of the International Visual Informatics Conference (IVIC'25)	168-179

3	Han, Z., **Azman, A.**, Mustaffa, M. R., & Khalid, F.	2025	CLIP-Driven Deep Hashing for Cross-Modal Retrieval.	In the Proceeding of the International Conference on Applications of Natural Language to Information Systems	173-185
4	Liu, Y., Khalid, F. B., Wang, C., Mustaffa, M. R. B., & **Azman, A. B.**	2025	Diffvecfont: fusing dual-mode reconstruction vector fonts via masked diffusion transformers.	In the Proceeding of the International Conference on Computational Visual Media	339-363
5	Han, Z., **Azman, A.** B., Khalid, F. B., & Mustaffa, M. R. B.	2024	Multi-view Correlation Learning Cross-Modal Retrieval Based on Multi-layer Attention.	In the Proceeding of the International Conference on Guidance, Navigation and Control	476-486
6	Ding, Z., Yaakob, R., **Azman, A**., Rum, S. N. M., Zakaria, N., & Nazri, A. S. A.	2024	A Semantically Robust Adversarial Training Domain Adaptation Method for Tuberculosis Diagnosis.	In the Proceeding of the 2024 5th International Conference on Smart Sensors and Application (ICSSA)	1-6
7	Alkhawlani, M. A., **Azman, A.,** Abdullah, M. T., Yaakob, R., Kadir, R. A., & Alshari, E. M.	2024	Improving convolutional end-to-end memory networks with BERT for question answering.	In the Proceeding of the *2024 Intelligent Systems Conference (IntelliSys) Volume 2*	90-104
8	Abokadr, S**., Azman, A.**, Hamdan, H., & Amelina, N.	2023	Handling Imbalanced Data for Improved Classification Performance: Methods and Challenges.	Proceeding of the 2023 3rd International Conference on Emerging Smart Technologies and Applications (eSmarTA)	1-8
9	Zeyu, D., Yaakob, R., **Azman, A.,** Rum, S. N. M., Zakaria, N., & Nazri, A. S. A. (2023, March).	2023	A Grad-CAM-based Knowledge Distillation Method for the Detection of Tuberculosis.	Proceeding of the 2023 International Conference on Information Management (ICIM).	72-77
10	Zeyu, D., Yaakob, R. and **Azman, A.**	2022	A Review of Deep Learning-Based Detection Methods for Tuberculosis.	Proceeding of the 2022 IEEE International Conference on Computing (ICOCO)	68-73
11	Bahrami, S., Doraisamy, S., **Azman, A.,** Nasharuddin, N.A. and Yue, S.,	2022	CNN Architectures for Road Surface Wetness Classification from Acoustic Signals.	Proceedings of the 8th International Conference on Computational Science and Technology: ICCST 2021	777-788

12	Bahrami, S., Doraisamy, S., **Azman, A.,** Amelina Nasharuddin, N. and Yue, S.,	2020	Acoustic feature analysis for wet and dry road surface classification using two-stream CNN	Proceeding of the 2020 4th International Conference on Computer Science and Artificial Intelligence	194-200
13	S. Bahrami, R. Yaakob, **A. Azman** and Rodziah Atan	2020	An integrated of fuzzy rule base system and TOPSIS technique for multi-attribute decision making	Proceedings of the 3rd International Conference on Software Engineering and Information Management (Scopus)	58 - 62
14	**A. Azman**, E.M. Alshari, P.S. Sulaiman, M.T. Abdullah, M. Alksher and R.A. Kadir	2018	Feasibility of Using Rating to Predict Sentiment for Online Reviews	In Proc. of the 2017 Asia Modelling Symposium (AMS) (Scopus)	37-41
15	R. A. Kadir, A. R. Yauri and **A. Azman**	2018	Automated Semantic Query Formulation for Document Retrieval	In Proc. of the 2018 Fourth International Conference on Information Retrieval and Knowledge Management *(CAMP) (Scopus)*	123 - 130
16	M. Alksher, **A. Azman**, R. Yaakob, R. A. Kadir, A. Mohamed and E. Alshari	2018	Feasibility of Using the Position as Feature for Idea Identification from Text	In Proc. of the 2018 Fourth International Conference on Information Retrieval and Knowledge Management *(CAMP) (Scopus)*	163 - 169
17	A. S. Shafie, N. M. Sharef, M. A. Azmi Murad and **A. Azman**	2018	Aspect Extraction Performance with POS Tag Pattern of Dependency Relation in Aspect-based Sentiment Analysis	In Proc. of the 2018 Fourth International Conference on Information Retrieval and Knowledge Management *(CAMP) (Scopus)*	106 - 111
18	N. A. Nasharuddin, M. T. Abdullah, **A. Azman** and R. A. Kadir	2018	A Review on Building Bilingual Comparable Corpora for Resource-limited Languages	In Proc. of the 2018 Fourth International Conference on Information Retrieval and Knowledge Management *(CAMP) (Scopus)*	112 - 117
19	E. M. Alshari, **A. Azman**, S. Doraisamy, N.	2018	Effective Method for Sentiment Lexical Dictionary Enrichment	In Proc. of the 2018 Fourth International Conference on Information Retrieval	176 - 180

	Mustapha and M. Alkeshr		Based on Word2Vec for Sentiment Analysis	and Knowledge Management *(CAMP) (Scopus)*	
20	E. M. Alshari, **A. Azman**, S. Doraisamy, N. Mustapha and M. Alkeshr	2017	Improvement of Sentiment Analysis Based on Clustering of Word2Vec Features	In Proc. of the 2017 28th International Workshop on Database and Expert Systems Applications (DEXA) (Scopus)	123-126
21	E.M. Alshari, **A. Azman**, N. Mustapha, S. Doraisamy and M. Alksher	2017	Prediction of rating from comments based on information retrieval and sentiment analysis	In Proc. of the 2016 3rd International Conference on Information Retrieval and Knowledge Management, CAMP 2016 (Scopus)	32 - 36
22	M.A. Alksher, **A. Azman,** R. Yaakob, A. Mohamed, and E.M. Alshari.	2017	A review of methods for mining idea from text	In Proc. of the 2016 3rd International Conference on Information Retrieval and Knowledge Management, CAMP 2016 (Scopus)	88 - 93
23	M. Ting, R.A. Kadir, **A. Azman**, F. Ahmad, T.M.T. Sembok, and N.M. Sharef.	2017	Query refinement for ontology information extraction	In Proc. of the 2016 3rd International Conference on Information Retrieval and Knowledge Management, CAMP 2016 (Scopus)	82 - 87
24	L. Mansourian, M.T. Abdullah, L.N. Abdullah, **A. Azman** and M.R. Mustaffa	2017	An effective image classification method with the fusion of invariant feature and a new color descriptor	In Proc. of the Eighth International Conference on Graphic and Image Processing, 2016 (Scopus)	
25	S. Shojaee, **A. Azman**, M.A.A. Murad, N.M. Sharef and M.N. Sulaiman	2015	A Framework for Fake Review Annotation	In Proc. of the 2015 17th UKSIM-AMSS International Conference on Modelling and Simulation, Cambridge, United Kingdom, March 25 – 27, 2015	153 - 158
26	M. Ting, R. A. Kadir, **A. Azman,** T. M. T.	2014	Predefined clause-based structure to subdue blank node issues	In Proc. of the 2014 14th International Conference on	187-192

	Sembok, and F. Ahmad			Intelligent Systems Design and Applications, ISDA 2014, Okinawa, Japan, 28 – 30 November 2014 (Scopus)	
27	N.F. Abubacker, **A. Azman**, M.A.A. Murad and S. Doraisamy	2013	An Approach for an Automatic Fracture Detection of Skull Dicom Images based on Neighboring Pixels	In Proc. of the 13th International Conference on Intelligent Systems Design and Applications (ISDA'13), December 8-10, Kuala Lumpur, Malaysia. (Scopus)	177 - 181
28	S. Shojaee, M.A.A. Murad, **A. Azman**, N.M. Sharef and S. Nadali	2013	Detecting Deceptive Reviews Using Lexical and Syntactic Features	In Proc. of the 13th International Conference on Intelligent Systems Design and Applications (ISDA'13), December 8-10, Kuala Lumpur, Malaysia. (Scopus)	53 - 58
29	N.M. Sharef, S.A.M. Noah, R.A. Kadir and **A. Azman**	2013	A Computational Method to Answer Semantic Questions with Constraints	In Proc of the 4th International Conference on Computing and9Informatics, ICOCI2013	371-376
30	A.R. Yauri, R.A. Kadir, **A. Azman**, M. A. Azmi Murad	2013	Ontology Semantic Approach to Extraction of knowledge from Holy Quran	In Proc of the International Conference of Computer Science and Information Technology (CSIT2013) (Scopus)	19 - 23
31	A.R. Yauri, R.A. Kadir, **A. Azman**, M.A. Azmi Murad	2012	Quranic-based Concepts: Verse Relations Extraction using Manchester OWL Syntax	In Proc of the International Conference on Information Retrieval dan Knowledge Management (CAMP'12) (Scopus)	317-321
32	R. Iqbal, M.A. Azmi Murad, M.H. Selamat, **A. Azman**	2012	Negation query handling engine for natural language interfaces to ontologies	In Proc of the International Conference on	249 – 253

				Information Retrieval dan Knowledge Management (CAMP'12) (Scopus)	
33	F. Safara, S. Doraisamy, **A. Azman** and A. Jantan	2012	Heart Sounds Clustering using a Combination of Temporal, Spectral and Geometric Features	Computing in Cardiology (CinC) (Scopus)	217-220
34	T. Shittu, **A. Azman**, R.A. Kadir and M.T. Abdullah	2012	Integration of Web Based User Interface for Relevance Feedback	In Proc. of the International Conference on Informatics and Applications (ICIA2012)	500-505
35	R. A. Kadir, T.M.T. Sembok, F. Ahmad, N.M. Sharef and **A. Azman**	2012	Logical Semantic Model	Workshop on Advanced Information Technology (WIT-A2012)	56-64
36	R.A. Kadir, **A. Azman**, M.J. Ong, S. Lim and L.T. Chee	2011	Intelligent Learning Management using Natural Language Analysis	In Proc of the International Conference on Engineering Education (ICEE 2011)	203-209
37	H. Musa, R.A. Kadir, **A. Azman** and M.T. Abdullah	2011	Syllabification Algorithm based on Syllable Matching Rules for Malay Language	In Proc of the 10th WSEAS International Conference on Applied Computer and Applied Computational Science (ACACOS'11) (Scopus)	279-286
38	A.M. Sultan, **A. Azman**, R.A. Kadir and M.T. Abdullah	2011	Evaluation of Quranic text retrieval system based on manually indexed topics	In Proc of the 2011 International Conference on Semantic Technology and Information Retrieval (STAIR) (Scopus)	156-161
39	A.A. Abdul Rahman, K. Seman, K. Saadan, A.K. Samingan and **A. Azman**	2011	Cell drop threshold architecture for multi-class shared buffer with finite memory size	In Proc of the 2011 IEEE Conference on Computer Applications and Industrial Electronics (ICCAIE 2011) (Scopus)	319-324
40	A.A. Abdul Rahman, K. Seman, K. Saadan and **A. Azman**	2011	Implementation of multi-class shared buffer with finite memory size	In Proc of the 17th Asia-Pacific Conference on	548 – 552

				Communications (APCC 2011) (Scopus)	
41	N.A. Nasharuddin, M.T. Abdullah, R.A. Kadir and **A. Azman**	2010	A Review on the Cross-lingual Information Retrieval	In Proc of the 2010 International Conference on Information Retrieval and Knowledge Management (CAMP'10) (Scopus)	352-356
42	A.A. Abdul Rahman, K. Seman, K. Saadan and **A. Azman**	2010	Performance of Multi-Class Scheduling Technique with Dual Threshold under Non-Uniform Traffic	In Proc of the 2010 International Conference on Intelligent Network and Computing	263-267
43	**A. Azman**	2009	Modelling User's Browsing Behaviour through the Intertemporal Choice Model	In Proc of the 6th International Conference on IT in Asia 2009 (CITA-09)	197-200
44	A.H. Azni, **A. Azman**, M.M. Saudi, A.H. Fauzi and D.N.F.A. Iskandar	2009	Analysis of packets abnormalities in wireless sensor network	In Proc of the 5th International Conference on MEMS NANO, and Smart Systems (ICMENS 2009) (Scopus)	259-264
45	B. Sanugi, I. Abdullah, **A. Azman**, and M.H. Lee.	2009	An Intervention Model for Business Impact Analysis in the Implementation of the Business Continuity Management Process	In Proc of the 3rd International Conference on Modeling, Simulations, and Applied Optimization (ICMSAO'09)	
46	A.H. Azni, M.M. Saudi, **A. Azman**, E.M. Tamil and M.Y.I. Idris	2008	An efficient network security system through an ontology approach	In Proc of the 2008 International Conference on Innovations in Information Technology (IIT 2008) (Scopus)	267-271
47	**A. Azman**	2008	Measuring the Effectiveness of a Search Algorithm for Mobile Devices	In Prosiding Capaian Maklumat & Pengurusan Pengetahuan (CAMP'08)	
48	**A. Azman** and I. Ounis	2004	Discovery of aggregate usage profiles based on clustering information needs	In Proc of the 27th Annual International Conference on Research and Development in	470-471

				Information Retrieval (SIGIR'04) (Scopus)	

VI. Thesis

No.	Authors	Title	Year	Program of Study	University
1	**A. Azman**	Intertemporal Choice for Browsing in Information Retrieval	2007	PhD in Computing Science	University of Glasgow, UK

Administrative Responsibilities

No.	Position	Department/ Faculty/ Other Institution	Year
1	Deputy Dean (Research and Innovation)	Faculty	Oct 2021 – Feb 2024 (2 years and 5 months)
2	Head of Multimedia Department	Faculty	Jan 2016 – Jun 2019 (3 years and 6 months)
3	Leader of Digital Information Computation and Retrieval (DICR) Research Group	Faculty	Jan 2016 – Dec 2016 (1 year)
4	Leader of Vision, Language and Sound (VLS) Research Group	Faculty	Jan 2026 – Dec 2026 (1 year)
5	Head of Innovative Learning Committee (ILU)	Faculty	Jan 2012 – Dec 2015
6	Chair for the FSKTM COPPA Document Preparation Committee	Faculty	2010
7	Chair for the FSKTM Achievement and Implementation of Learning Outcomes Committee	Faculty	2011
8	Head of Curriculum Committee	Department	2010 – 2013
9	Head of Final Year Project Committee	Department	Jan 2013 – Dec 2015

Recognition

I. Thesis Examination

No.	Name	Title	Program	Role	University	Year
1	Luqmanul Hakim Bin Mohd Nasir	Secured Autonomous Agent-Based Intrusion Detection System (SAAIDS)	Master by Thesis	External Examiner	Universiti Sains Islam Malaysia	2010
2	Naghmeh Mahmoodian	A Text-Based Classifier Model in Determining Maintenance Type of The Maintenance Request	Master by Thesis	Internal Examiner	Universiti Putra Malaysia	2010
3	Mas Rina binti Mustafa	Content-Based Image Retrieval Through Extended Normalised Ridgelet-Fourier and Multi-Resolution Joint Auto Correlograms	PhD	Internal Examiner	Universiti Putra Malaysia	2011
4	Mohammad Farahmand	Optimizing Title and Meta Tags Based on Relativity with the Content in Lexical and Semantic Approaches	Master by Thesis	Internal Examiner	Universiti Putra Malaysia	2012
5	Seyed Abolfazle Moosavifar	Effectiveness of Simple Terminological Ontology to Support Document Retrieval in a Specialised Domain	Master by Thesis	External Examiner	Universiti Teknologi MARA	2013
6	Omar Ibrahim Massoud Hammza	Quranic Multimedia Memory Model (QM3) for Memorization of the Holy Quran	PhD	External Examiner	Universiti Sains Islam Malaysia	2016
7	Hazrina Bt Sofian	Integration of Self Adaptive Model With Lingustics-Based SPARQL Translation Model for Semantic Question Answering System	PhD	Internal Examiner	Universiti Putra Malaysia	2017
8	Aliyu Isah Agaie	Aided Query Formulation for Natural Language Interfaces to Ontologies	PhD	Internal Examiner	Universiti Putra Malaysia	2017
9	Nurul Asmaa Bt Abd Razak	A New Framework of Morphology-Based Segmentation in Identifying Small Subtle Eggs in Masheer's Gonad Ultrasound Image	Master by Thesis	Internal Examiner	Universiti Putra Malaysia	2017
10	Mehdi Barati	Illegimate Traffic Detection in Encrypted Tunnel Using Ensemble Classification Technique	PhD	Internal Examiner	Universiti Putra Malaysia	2017
11	Noorul Shuhadah Bt Osman	Content Based Image Retrieval for Representation and Description of Fish	Master by Thesis	Chairman	Universiti Putra Malaysia	2017

12	Wong Pei Voon	Crowd Behaviour Analysis Framework Based on Group Motion Pattern Mining	PhD	Internal Examiner	Universiti Putra Malaysia	2018
13	Musaab Riyadh Abdulrazzaq	Incremental Clustering for Trajectories Based on Clusters Life	PhD	Internal Examiner	Universiti Putra Malaysia	2018
14	Noor Amjed Hassan	An Adaptive Face Recognition Under Constrained Environment For Smartphone Database	PhD	Chairman	Universiti Putra Malaysia	2018
15	Mohammed W. M. Ashour	Steel Strips Surface Classification And Defect Detection Based On Multiple Integrated Features And Classification Schemes	PhD	Internal Examiner	Universiti Putra Malaysia	2018
16	Mary Posonia.A	Similarity Based Xml Document Retrieval With Minimum Computation Cost And Its Performance Evaluations	PhD	External Examiner	Sathyabama Institute of Science and Technology	2018
17	Asghar Darvishy	A hybrid approach for personalized news recommendation with rich user profile and news metadata	PhD	Internal Examiner	Universiti Putra Malaysia	2019
18	Mohd Norhisham bin Razali @ Ghazali	Extremal region detection and selection with fuzzy encoding for food recognition	PhD	Internal Examiner	Universiti Putra Malaysia	2019
19	Mahmood Mohammed Ali Omar	Integrated 2D coronary artery angiography with 3D virtual myocardial model using non-rigid iterative closest point algorithm	PhD	Internal Examiner	Universiti Putra Malaysia	2019
20	Hassan Md Hasibul	Early Depressive Symptoms Detection Model Based On Social Media Post In Bengali Language Using Text Analysis Of Linguistic Approach	Master by Thesis	Internal Examiner	Universiti Putra Malaysia	2022
21	Mohamed Marzhar Bin Mohamed Anuar	Paddy Seedlings Inspection Based On Deep Learning	Master by Thesis	Internal Examiner	Universiti Putra Malaysia	2022
22	Wan Noor Hamiza Wan Ali	Pemodelan Pengesanan Buli Siber Berdasarkan Peranan Sosial Pengguna Melalui Kombinasi Fitur	PhD	External Examiner	Universiti Kebangsaan Malaysia	2022
23	Sudha V	An Optimal Framework for Clustering of Medical Data - A Cancer Disease	PhD	External Examiner	Visvesvaraya Technological University	2022

					(VTU), Karnataka, India	
24	Muaadh Abdo Mohammed Al Sabri	Development of a Recommendation system using big data tools	PhD	External Examiner	Aligargh University India	2022
25	Harnani Binti Mat Zin	An Improved Feature Extraction And Selection Method Using Dependency Relations And Differential Evolution For Online Movie Reviews	PhD	Internal Examiner	Universiti Putra Malaysia	2023
26	Md Saifullah Razali	Figurative Language Detection Using Deep Learning And Contextual Features	PhD	Internal Examiner	Universiti Putra Malaysia	2023
27	Lawal Babangida	Iot-Perceptive Feature-Activity Association Techniques Based On Multi-Label Learning Approach For Improving Human Activity Recognition In A Smart Home Environment.	PhD	Internal Examiner	Universiti Putra Malaysia	2023
28	Mehdi Samieiyeganeh	Automatically Segment And Identify The Left Ventricular Endocardium (Lv Endo), Epicardium (Lv Epi) And Atrium (La) In End-Diastolic (Ed) And End-Systolic (Es) In 2d Echocardiography Using Deep Reinforcement Learning (Drl)	PhD	Chairman	Universiti Putra Malaysia	2024
29	Kalimuthu Sivakumar	Improving Multi-Resident Activity Recognition In Ambient Sensor Based Smart Home Using Custom Inception Inspired With Gru Model	PhD	Internal Examiner	Universiti Putra Malaysia	2024
30	Md. Faisal Bin Abdul Aziz	In Silico Framework To Combine Breast And Colon Cancer Prediction Using Gene Expression And Their Biological Variability	PhD	Internal Examiner	Universiti Putra Malaysia	2024
31	Luo Hao	Hyper-Graph Enhanced Causal Recommendation With Graph Contrastive Networks From Hyperbolic Space In Moocs	PhD	Internal Examiner	Universiti Putra Malaysia	2024
32	Tan Zhuoyi	Efficient Identification Of Pulmonary Tuberculosis Ct	PhD	Internal Examiner	Universiti Putra Malaysia	2024

		Imaging Lesions Using Multi-Task Learning And Weak Supervised Semantic Segmentation Technology				
33	Almsaadi Jasem Rahman Malgheet	An Improved Multi-Segmentation And Classification Using Deep Learning For Iris Recognition For Eyeglasses In An Unconstrained Environment	PhD	Internal Examiner	Universiti Putra Malaysia	2024
34	Nurkhairizan Khairudin	Review-Based Recommender Systems With Multi-Task Deep Attention Model Using Helpfulness Score Estimation With Pareto Dominance	PhD	Internal Examiner	Universiti Putra Malaysia	2025
35	Ahmed Radman Qaid Moqbel	2d Hmm And Double Stereo For Face Shape Construction	PhD	Internal Examiner	Universiti Putra Malaysia	2025
36	Li Guozhang	A Hybrid Model for Student Behavior Prediction Using Density-Based Optimized K-Means and Hierarchical KNN with Parallelization	PhD	External Examiner	Universiti Malaysia Sabah	2025
37	Jawad Y. I. Alzamily	Deep Learning Model For Multiclassification Of Encrypted Images	PhD	External Examiner	Universiti Malaysia Sains Komputer & Kejuruteraan	2025
38	Xu Fengchang	DETR Small Target Object Detection Algorithm Based on Swin Transformer	PhD	External Examiner	Universiti Malaysia Sabah	2025
39	Gong Xiaoxue	Framework For Evaluating Team Playability In Massively Multiplayer Online Games Using Multi-Variable Analysis	PhD	Chairman	Universiti Putra Malaysia	2026
40	Alabosh Maaeda Mohsin Rashid	Explainable Artificial Intelligence For Code Smell Prioritization In Software Maintenance	PhD	Internal Examiner	Universiti Putra Malaysia	2026
41	Nurul Akmar Binti Azman	Integrating Hybrid Vision Transformers And Dual Cross Parallel Attention Module To Optimize Mango Leaf Disease Classification	PhD	Internal Examiner	Universiti Putra Malaysia	2026
42	Phang Kok Wai	Digital Twin Interactive Augmented Reality In Aquaponics Iot System	Master by Thesis	Chairman	Universiti Putra Malaysia	2026
43	Adamu Hassan	Multi-Label Emotion Detection In Low-Resource African Languages Using	PhD	Internal Examiner	Universiti Putra Malaysia	2026

		Hybrid Loss Optimization, Transformer Ensembles, And Stacked Contextual Embeddings				
44	Amna Saga Mohammed Humidan	Confidence-Driven Adaptive Routing Of Local- Global Temporal Inconsistencies For Robust And Efficient Detection Of Compressed Deepfake Videos	PhD	Internal Examiner	Universiti Putra Malaysia	2026
45	Samia Faraj Ramadan Abd-Hood	Integrated Framework for Generative Augmentation, Dual-View Representation and Relational Optimisation for Arabic Multi-Label News Text Classification	PhD	External Examiner	Universiti Kebangsaan Malaysia	2026
46	Ali Abdulraheem Abduljabbar	Normalization of Iraqi Dialect to Modern Standard Arabic Language Using A Combination of Morphosyntactic Rules and Statistical-Based Approach	PhD	External Examiner	Universiti Kebangsaan Malaysia	2026

Affiliations/Memberships

No.	Organisation	Role	Date
1	Malaysian Society of Information Retrieval and Knowledge Management (PECAMP)	Working Committee	2011 - 2012
		Working Committee	2015 - 2017
		Treasurer	2017 - 2019
2	Malaysian Information Technology Society (MITS)	Member (L110253)	Since 2011
		Assistant Treasurer	2020 - 2021
		Head of Student Chapter Sub-committee	2020 - 2021
3	Association for Computing Machinery (ACM) – Professional Membership – SIGIR Membership	Member (6587045)	Since 2016
4	Institute of Electrical and Electronics Engineers (IEEE) – IEEE Membership – IEEE Computer Society Membership	Member (93782850)	Since 2016

Involvement

I. External

• **Academic Programme Assessor**, Malaysian Qualification Agency Field: Computer Science, Information Systems, Multimedia Assessor for Academic Programme, APEL, APEL C, Nilai Taraf and APV/APP TVET	2009 – 2029
• **Board of Study Member,** Bachelor of Computer Science (Data Science), Universiti Malaya	2023 – 2024
• **Task Force Committee for the Establishment of the National Artificial Intelligence Centre (NAIC),** Universiti Kebangsaan Malaysia	2024 - 2026
• **National Blockchain and Artificial Intelligence Committee (NBAIC),** Ministry of Science, Technology and Innovation (MOSTI)	2023 - 2025
• **Board of Study Member,** Master in Information Technology Management (Coursework)**,** Universiti Malaya	2021 - 2024
• **Board of Study Member,** Faculty of Computer Science and Information Technology, Universiti Malaya	2019
• **Working Committee for the** Journal of Information technology and Knowledge Management (JIRKM)	2012 – 2015
• **Programme Committee,** the 2026 Seventh International Conference on Information Retrieval and Knowledge Management (CAMP 2026)	2026
• **Programme Committee,** the 9th International Visual Informatics Conference 2025 (IVIC'25)	2025
• **Programme Committee,** the 7th International Visual Informatics Conference 2021 (IVIC 2021)	2021
• **Programme Committee,** the Sixth International Conference on Computational Science and Technology (ICCST 2019)	2019
• **Programme Committee,** the 6th International Visual Informatics Conference 2019 (IVIC 2019)	2019
• **Programme Committee,** the 2018 Fourth International Conference on Information Retrieval and Knowledge Management (CAMP'18)	2018
• **Programme Committee,** the 2016 Third International Conference on Information Retrieval and Knowledge Management (CAMP'16)	2016
• **Programme Committee,** the 10th Asia Information Retrieval Society Conference (AIRS2014)	2014
• **Programme Committee**, the International Conference on Information Retrieval and Knowledge Management 2014 (CAMP'14)	2014
• **Programme Committee,** the 13th International Conference on Intelligent Systems Design and Applications (ISDA 2013)	2013
• **Programme Committee**, the 3rd International Visual Informatics Conference (IVIC'13)	2013

- **Programme Committee**, the International Conference on Information Retrieval and Knowledge Management 2012 (CAMP'12) — 2012
- **Programme Committee**, the 2nd International Visual Informatics Conference (IVIC'11) — 2011

II. Internal

- **Evaluation Panel Committee** for University-Level Research Grant Scheme Applications (2025–2026) — 2025-2026
- **Committee Member,** Universiti Putra Malaysia AI Taskforce — 2025 - 2028
- **Ahli,** Jawatankuasa Kecil Kurikulum Universiti (JKKK) — 2017 - 2019
- **Ahli,** Jawatankuasa Kecil Kurikulum Pengajian Siswazah Universiti (JKKPSU) — 2026
- **Felo Bersekutu**, Pusat Jaminan Kualiti (CQA) UPM — 2026
- **UPM e-Learning Guidelines (Special Group) Members** — 2012
- **Ahli Jawatankuasa Pepandu Pengintegrasian SMP UPM** — 2011
- **Undergraduate Programme Self-Review Report (PSRR) Committee** — 2021
- **Ahli Jawatankuasa Penstrukturan Fakulti,** Fakulti Sains Komputer dan Teknologi Maklumat — 2012
- **Pengerusi** Jawatankuasa Pencapaian dan Pelaksanaan Hasil Pembelajaran (LO) FSKTM — 2011
- **Pengerusi,** Jawatankuasa Penyediaan Dokumen COPPA, SWA Akreditasi FSKTM — 2010 – 2011

Conference / Seminar Participated

- **Panel Utama,** Kolokium "KETIKA KECERDASAN BUATAN (AI) BERBICARA, DI MANA BAHASA MELAYU?" , on 8 April, 2026, at IIUM Pagoh, Malaysia
- **Presenter** at the 9th International Visual Informatics Conference (IVIC'25), on 10– 15 November, 2025, in Guangzhou, China
- **Presenter** at the 30th Annual International Conference on Natural Language & Information Systems (NLDB 2025), on 4– 6 July, 2025, in Kanazawa, Japan
- **Presenter** at Generative Adversarial Network (GAN) in Text Processing Seminar, on 22– 24 October, 2024, at the Universitas Sumatera Utara (USU), Medan, Indonesia
- **Presenter** at the Intelligent Systems Conference 2024 (Intellisys 2024), on 5– 6 September, 2024, in Amsterdam, Netherland
- **Presenter** at the International Conference on Guidance, Navigation and Control (ICGNC 2024), on 9– 11 August, 2024, in Changsha, China
- **Keynote Speaker** at the GLOBAL CONFERENCE ON BUSINESS AND ECONOMICS RESEARCH (GCBER) 2023, on 9– 10 September, 2023, in Putrajaya, Malaysia
- **Presenter** at the 2018 4th International Conference on Information Retrieval and Knowledge Management (CAMP'18), on 26– 28 March, 2018, in Kuching, Malaysia
- **Presenter** at the Asia Modelling Symposium 2017 (AMS 2017), on 4 – 6 December, 2017, in Kota Kinabalu, Malaysia

- **Presenter** at the 16th International Conference on Intelligent Software Methodologies, Tools and Techniques (SOMET 2017), on 26 –28 September, 2017, in Kitakyushu, Japan
- **Presenter** at the International Workshop on Technologies for Information Retrieval in Conjunction with DEXA 2017 (TIR 2017), on 28 – 31 August, 2017, in Lyon, France
- **Presenter** at the SAI Intelligent Systems Conference 2016 (IntelliSys2016), on 21 – 22 September, 2016, in London, United Kingdom
- **Presenter** at the 2016 3rd International Conference on Information Retrieval and Knowledge Management (CAMP'16), on 23 – 26 August, 2016, in Malacca, Malaysia
- **Participant** at the 4th International Visual Informatics Conference (IVIC'15), on 17 – 19 November, 2015, in Kuala Lumpur, Malaysia
- **Presenter** at the 2015 17th UKSIM-AMSS International Conference on Modelling and Simulation (UKSIM2015), on 25 – 27 March, 2015, in Cambridge, United Kingdom
- **Presenter** at the 2nd International Conference on Islamic Applications in Computer Science and Technologies (IMAN2014), on 12 – 13 October, 2014, in Amman, Jordan
- **Session Chair** and Participant at the 13th International Conference on Intelligent Systems Design and Applications (ISDA 2013), on 8 – 10 December, 2013, at Universiti Putra Malaysia, Kuala Lumpur, Malaysia
- **Participant** at the the 3rd International Visual Informatics Conference (IVIC'13), on 13 – 15 November, 2013, at Equatorial Hotel Bangi, Kuala Lumpur, Malaysia
- **Session Chair** and Participant at the International Conference on Information Retrieval and Knowledge Management (CAMP12), on 12 – 15 March, 2012, Kuala Lumpur, Malaysia
- **Presenter** at the International Conference on Informatics and Applications (ICIA12), on 3 – 5 June, 2012, Kuala Terengganu, Malaysia
- **Presenter** at the Seminar on Technological Advancement for Dynamic Innovation of Education Environment, on 26 June, 2012, Universiti Putra Malaysia, Kuala Lumpur, Malaysia
- **Presenter** at the 2011 International Conference on Semantic Technology and Information Retrieval (STAIR11), on 28 – 29 June, 2011, Kuala Lumpur, Malaysia
- **Participant** at the Educate10 Seminar, on 7 October, 2010, Kuala Lumpur, Malaysia
- **Presenter** at the Multimedia Departmental Seminar, on 28 August, 2010, Universiti Putra Malaysia, Kuala Lumpur, Malaysia
- **Participant** at the Conceptual Spaces Workshop at CAMP'10, on 16 March, 2010, Universiti Teknologi MARA, Malaysia
- **Presenter** at the 8th International Conference Flexible Query Answering Systems (FQAS 2009), on 26 - 28 October, 2009, Roskilde University, Denmark
- **Presenter** at the Multimedia Departmental Seminar, on 21 July, 2009, Universiti Putra Malaysia, Kuala Lumpur, Malaysia
- **Presenter** at the 6th International Conference on Information Technology in Asia 2009 (CITA'09), on 6 - 9 July, 2009, Kuching, Sarawak