



PERSONAL DETAILS

Name	:	SITI ZAITON BT. MOHD HASHIM
Gender	:	FEMALE
Date of Birth/Age	:	10/10/1967
Nationality	:	MALAYSIAN
Marital Status	:	MARIED
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ID Staff	:	6749
Expertise	:	Artificial Intelligence, Soft Computing & Machine Learning
H-Index (WOS)	:	20 (Web of Science Researcher ID: AAE-5401-2020)
H-Index (SCOPUS)	:	24 (https://orcid.org/0000-0001-5122-7166)
H-Index (G. Scholar)	:	33 (https://scholar.google.com/citations?user=jkgkcCcAAAAJ&hl=en) Citation (5228)
H-Index (Researchgate)	:	29 (https://www.researchgate.net/profile/Siti-Mohd-Hashim-2)

ACADEMIC QUALIFICATIONS

NO	LEVEL OF EDUCATION	COURSE	UNIVERSITY	STARTING DATE	ENDING DATE
1	PH.D	Computer Science	The University of Sheffield, UK	2001	2005
2	Master	Computer Science	University of Bradford, UK	1995	1996
3	Bachelor	Computer Science	University of Hartford, USA	1987	1990

AWARD AND HONORS RECEIVED

Summary	
International Awards/Honors	2
National Awards/Honors	6
UTM Awards/Honors	12
Faculty Awards/Honors	10

NO	AWARD	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	YEAR
1	International Universal Karnival On E-Learning 2022 - Invention, Innovation & Design On E-Learning (lidel) Competition 2022	INTERNATIONAL	2022
2	Excellence Service Award 2021, Faculty Of Data Science And Compting, Umk	Faculty, UMK	2022
3	Industry-University Challenge 2022 Intel, Penang .' Smart Retail – Supermarket'	NATIONAL	2022
4	Excellence service award, Faculty of Engineering, School of Computing	Faculty, UTM	2019
5	Excellent Publication Award, Persatuan Saintis Muslim Malaysia (Perintis), High Citation for Publication "Training Feedforward Neural Networks Using Hybrid Particle Swarm Optimization And Gravitational Search Algorithm", Applied Mathematics And Computation, Vol 128, Issue 22, 11125-11137	NATIONAL	2018

NO	AWARD	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	YEAR
6	Anugerah Jasa Bakti	UTM	2017
7	Highest citation (research publication award)	FACULTY	2017
8	Excellence service award	UTM	2017
9	Fc academic special award FC 2015	FACULTY	2016
10	Award of excellent-active blended learning course	UTM	2016
11	Excellence service award for year 2015,	FACULTY	2016
12	Gold medal –‘QR big data codes based on geometrical moment invariants’, 17th industrial art & techno exhibition (inatex 2015)	UTM	2015
13	Certificate Of Reviewing, Applied Soft Computing Journal, Elsevier Awarded	INTERNATIONAL	2015
14	Excellence service award for year 2014	FACULTY	2015
15	Best publication award (high impact factor) for year 2014	FACULTY	2014
16	Certificate of Appreciation, UTM First Author in Q1 Journal 2014, K-Economy Research Alliance	UTM	2014
17	Best Paper Award, First Runner Up, Mohammad Babrdel and Siti Zaiton Mohd Hashim WICT’14, Melaka, Malaysia	NATIONAL	2014
18	Silver Medal-‘Kits Sunnah Mesra Solat Wanita ‘Ready To Go’, Professional Innovation Category, Research, Invention, Innovation and Design (RiiD 2014), UiTM, Melaka Malaysia. Team: Nurhidayah, Siti Zaiton, Muhammad Fitri, Sharifah Zahrah, Che Norizan, Azizah & Baterah.	NATIONAL	2014
19	Gold Award, ‘Kits Sunnah Mesra Solat Ready To Go’, Exposition on International Syariah Compliant Idea, Invention, Innovation & Design 2014 (ISCIID2014), UiTM, Shah Alam. Team: Nurhidayah, Siti Zaiton, Muhammad Fitri, Asmak Ali, Nur Nafhatun & Siti Fatimah.	NATIONAL	2014
20	Sijil Penghargaan, penglibatan pasukan akademik Fakulti Komputeran ke Finalis Anugerah Kualiti Akademik, KARISMA UTM	UTM	2014
21	Sijil Kecemerlangan Perkhidmatan bagi tahun bagi tahun 2013	FACULTY	2014

NO	AWARD	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	YEAR
22	Sijil Anugerah Penerbitan Berkualiti bagi tahun 2013	FACULTY	2014
23	KARISMA Anugerah Khidmat Cemerlang UTM bagi tahun 2012.	UTM	2013
24	Participant, International Exposition of Research and Inventions of Institution of Higher Learning 2007(Pecipta07), 'ImmA-D: Immune-Based Anamoly Detector, KLCC. Team: Siti Mariyam Shamsuddin, Anazida Zainal, Siti Zaiton Mohd Hashim, Naomie Salim dan Bariah.	UTM	2007
25	Salon International Des Inventions GENEVE, Participant, 'Bio-CACHE Solution. Team: Siti Mariyam Shamsuddin, Siti Zaiton Mohd Hashim, Harihodin Selamat, Abdul Samad Ismail and Farhan Mohamed.	UTM	2007
26	Malaysia Technology Expo 2006, Kuala Lumpur, Ministry of Science, Technology and Innovation Malaysia (Gold Award), Invention/innovation of 'Bio-Inspired Caching Solution', Team: Siti Mariyam Shamsuddin, Siti Zaiton Mohd Hashim, Harihodin Selamat, Abdul Samad Ismail and Farhan Mohamed.	UTM	2006
27	International IENA 2005, Nurnberg,. Ashum Forecaster – Rough predictor for stock market returns (Silver Medal). Team: Siti Mariyam Shamsuddin, Siti Zaiton Mohd Hashim, Roselina Sallehuddin, Razana Alwi 5. 2006-Excellent Service Award UTM Year 2006.	UTM	2005
28	Anugerah Kepujian Fakulti, Fakulti Sains Komputer & Sistem Maklumat, 2003	FACULTY	2003
29	Invention Award: Software Algorithm & Ideas, Bronze Medal, UTM: SPAtH-An Adaptive Web-based Hypermedia Learning System Team: Norazah Yusof, Nor Bahiah Ahmad, Siti Mariyam Shamsuddin, Siti Zaiton Mohd Hashim and Paridah Samsuri.	FACULTY	2001
30	Expo Science & Technology 2001 Award, Invention & Innovation Competition, The Ministry of Science, Technology & The Environment of Malaysia, Kuala Lumpur (Bronze Award): Adaptive Web-based Hypermedia Learning System. Team: Norazah Yusof, Nor Bahiah Ahmad, Siti Mariyam Shamsuddin, Siti Zaiton Mohd Hashim and Paridah Samsuri.	FACULTY	2001

WORKING EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ORGANISATION
1	Research Assistant,	Jan 1990	June 1990	Public Health Centre, Ministry of Health
2	IIU Matriculation Lecturer	July 1990	Dec 1995	International Islamic University, Lembah Pantai, Kuala Lumpur.
3	Lecturer	1996	2008	Department of Software Engineering Faculty of Computer Science & Information Systems, Universiti Teknologi Malaysia
4	Associate Professor	2009 2022	2020 current	Department of Software Engineering Faculty of Computing, Universiti Teknologi Malaysia
5	Professor (C)	2020	2022	Secondment, Faculty of Data Science and Computing, Universiti Malaysia Kelantan

PROFESSIONAL MEMBERSHIP / QUALIFICATIONS / RECOGNITION

Summary	
International Professional Membership / Qualifications / Recognition	6
National Professional Membership / Qualifications / Recognition	13
University Professional Membership / Qualifications / Recognition	5

NO	NAME OF PROFESSIONAL MEMBERSHIP/ QUALIFICATIONS / RECOGNITION	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	ROLE	YEAR
1	Persatuan Saintis Muslim Malaysia (PERINTIS)	NATIONAL	MEMBER	2021 -current
2	Data Science Association	INTERNATIONAL	MEMBER	2015 -current
3	Malaysian Science and Mathematics Society (PERSAMA),	NATIONAL	MEMBER	1999-current
4	Malaysian Software Engineering Interest Group (MYSEIG),	NATIONAL	MEMBER	2006-current.

NO	NAME OF PROFESSIONAL MEMBERSHIP/ QUALIFICATIONS / RECOGNITION	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	ROLE	YEAR
5	Persatuan Kakitangan Akademik UTM	UNIVERSITY	MEMBER	2006 - CURRENT
6	Badan Kebajikan Staf Utm (BAKES)	UNIVERSITY	MEMBER	2006 - CURRENT
7	International Conference on Computer Science And Engineering	INTERNATIONAL	COMMITTEE	2014
8	Computer engineering and Applications Journal (ComEngApp), http://comengapp.com/index.php/comengapp ,	INTERNATIONAL	ASSOCIATE EDITOR	2015
9	AI Huawei Certification	INTERNATIONAL	MEMBER	2021-2023
10	Certificate of Reviewer for Applied Soft Computing Journal (ELSEVIER),	INTERNATIONAL	MEMBER	2015
11	Editorial Board Member, International Journal of Soft Computing and Its Applications (IJASCA)	INTERNATIONAL	MEMBER	2015 -2018
12	Big Data Roundtable Discussion Panel for the 4th World Congress on Information and Communication Technologies, UTEM, Melaka	NATIONAL	LEADER (session)	2014
13	External Evaluator for Research Grant Evaluation, Universiti Teknologi Petronas	NATIONAL	MEMBER	2017
14	Adjunct Researcher, Southern University College, Johor (Facilitator)	NATIONAL	MEMBER	2015-2018
15	Inno-Fund Technical and Commercial Evaluation Panel (National), (Panel Penilaian Teknikal dan Komersial- Bidang AI), MOSTI	NATIONAL	MEMBER	2017-2018

NO	NAME OF PROFESSIONAL MEMBERSHIP/ QUALIFICATIONS / RECOGNITION	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	ROLE	YEAR
16	Panel Pakar (AI) Projek Dana Penyelidikan, Pembangunan dan Pengkomersialan, Mestec	NATIONAL	MEMBER	2018-2020
17	Academic Consultant Cum External Examiner (Field Expert: SE & AI), Southern University College	NATIONAL	MEMBER	2018-2019
18	Academic Consultant Cum External Examiner (Field Expert: SE & AI), Southern University College	NATIONAL	MEMBER	2019-2020
19	External Visiting Professor and Examiner in Management and Science University (MSU),	NATIONAL	MEMBER	2018-2020
20	Consultation Data Advisory Team for Johor Corporation	NATIONAL	MEMBER	2019-2020
21	Expert Panel Member for Universiti Teknologi Petronas Curriculum Design on Data Science	NATIONAL	MEMBER	2019
22	Research Fellow, Centre of Excellence, Big Data Centre (UTM-BDC)	UNIVERSITY	RESEARCH FELLOW	2015-2018
23	Associate Research Fellow, Centre of Excellence, Big Data Centre (UTM-BDC)	UNIVERSITY	ASSOCIATE RESEARCH FELLOW	2023-2025
24	Panel Kesepakatan peringkat Fakulti, Fakulti Sains Bumi, bagi Kenaikan Pangkat ke Profesor	UNIVERSITY	PANEL	2021-2022

ADMINISTRATIVE EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ FACULTY/ DIVISION
1	Deputy Dean, Research, Development, and Innovation	1 Nov 2022	1 Oktober 2025	Faculty of Computing, UTM
2	Dean of Postgraduates, Academic Administration Division.	8 July 2020	31 December 2021	UNIVERSITI MALAYSIA KELANTAN
3	Senate Member, Universiti Malaysia Kelantan	2 May 2020	30 Sept 2023	UNIVERSITI MALAYSIA KELANTAN
4	Secretary of the Senate	4 Julai 2021	14 Julai 2022	UNIVERSITI MALAYSIA KELANTAN
5	Representative of the senate for the graduate senate standing committee	9 Jun 2020	1 Mei 2023	UNIVERSITI MALAYSIA KELANTAN
6	Director, UTM-Big Data Centre, Universiti Teknologi Malaysia,	Apr 2018	14 Feb 2020	FACULTY, UTM
7	Head, Dept of Software Engineering, Faculty of Computing,	Mac 2017	Mac 2018	DEPARTMENT, UTM
8	Head, Soft Computing Research Group, Research Alliance K-Economy, Universiti Teknologi Malaysia	1 July 2015-	30 June 2017	DEPARTMENT, UTM
9	Deputy Dean (Academic & International), Faculty of Computing, Universiti Teknologi Malaysia	1 Nov 2012-	30 Jan 2015	FACULTY, UTM
9	Deputy Dean (Post graduate & Research), Faculty of Comp. Science & Information System, Universiti Teknologi Malaysia	1 Nov 2011	30 Oct 2012	FACULTY, UTM
10	Head of Department, Postgraduate Office, Faculty of Comp. Science & Information System, Universiti Teknologi Malaysia	1 Nov 2009-	31 Oct 2011	DEPARTMENT, UMK
11	Head of Department, Postgraduate Office, Faculty of Comp. Science &	1 Nov 2007	31 Oct 2009	DEPARTMENT,UM

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ FACULTY/ DIVISION
	Information System, Universiti Teknologi Malaysia			

CONSULTATION WORKS

Summary	
Consultation Project- UTM	-
Consultation Project- Others	8 projects (RM255,827.50)

No	Year	Title	Value	Vot
1	2023	CSM-ADV TEXT ANALYSIS AND FORENSIC STUDIES	RM25,000.00	00461
2	2023	MAMPU -ADIBA MODELLING	RM11,527.50	2197
3	2022	SCIENTIFIC STUDY ON DATA INGESTION APPROACHES FROM SOCIAL MEDIA PLATFORM, DATA MANAGEMENT AND PRESERVATION, AND SOCIAL NETWORKING PROFILING (CYBERSECURITY MALAYSIA)	RM25,000.00	2176
4	2022	PERUNDING MAJLIS PERBANDARAN KOTA BHARU BANDAR RAYA ISLAM BAGI PROJEK BANDAR MAMPAN FASA 1 SECARA TANGGUNGJAWAB SOSIAL KORPORAT (CSR)	RM0.00	-
6	2020	LEADERSHIP PROFILING AND TALENT PREDICTIVE ANALYTICS FOR AKADEMIK KEPIMPINAN PENDIDIKAN TINGGI (AKEPT)	RM50,000.00	R.J130000.7351.4B580
7	2019	DATA ADVISORY FOR JOHOR CORPORATION	RM144000.00	Vote 1428
8	2019	BMW - DATA ANALYTICS WORKSHOP	RM25,300.00	UTIM 87

INTERNATIONAL/NATIONAL/UNIVERSITY COMMITTEE

Summary	
International Committee	14
National Committee	9

University Committee	32
Faculty Committee	18
Community Committee	11

International

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Reviewer - Promotion to the rank of Associate Professor , General Specialization " Information Technology " Subspecializing " artificial intelligence and machine learning ", King Abdul Aziz University.	MEMBER	April 2023	May 2024
2	Technical Committee - 2023 7 th International Conference on High Performance Compilation, Computing and Communications (HP3C 2023), Jinan, China.	MEMBER	June 17, 2023	June 19, 2023
3	Session Chair - 7th International Conference on High Performance Compilation, Computing and Communication (HP3C 2023)	MEMBER	June 18 2023	June 18 2023
4	Editorial Board Member : International Journal Of Innovative Computing (IJIC)	MEMBER	1/7/2023	30/6/2025
5	Technical Committee, International Conference on High Performance Compilation, Computing and Communications (HP3C)	MEMBER	2023	2024
6	Invited Speaker INTERNATIONAL CONFERENCE ICECOS2019	INVITED SPEAKER	2/10/2019	3/10/2019
7	Editorial/Review Board International Journal of Advanced Computer Research (IJACR)	MEMBER	Mac 2019	Feb 2020
8	Committee for 4th International Workshop on Big Data Analytics 2018, Johor Malaysia,	MEMBER	2018	2018
9	International Conference on Computer Science and Engineering	MEMBER	2014	2014
10	Data Science Association	MEMBER	2015	CURRENT

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
11	Computer engineering and Applications Journal (ComEngApp), (http://comengapp.com/index.php/comengapp)	MEMBER	2015	2018
12	Certificate of Reviewer for Applied Soft Computing Journal (ELSEVIER),	MEMBER	2015	2023
13	Editorial Board Member, International Journal of Soft Computing and Its Applications (IJASCA)	MEMBER	2015	2018
14	Research Champion Other International Grants (ecl Japan, EU Horizon 2020 & Middle East Country)	FACILITATOR	2016	2018

National

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Reviewer - Penilai Soalan Dan Menyemak Skrip Peperiksaan Akhir Bagi Program Sarjana Muda Dan Diploma, Fakulti Teknologi Maklumat Dan Komunikasi, Universiti Teknikal Malaysia Melaka	MEMBER	2019	2023
2	Bengkel Harmonis 'The ADIBA Framework' SIRI II anjuran MAMPU	Facilitator	14 Jun 2023	17 Jun 2023
3	Jury for National Innovation and Invention Competition 2022	MEMBER	2022	2022
4	Penilai Skrip Peperiksaan Akhir, Sarjana Muda AI, Fakulti Teknologi Maklumat dan Komunikasi, UTEM	MEMBER	2019	2023
5	Facilitator for Implementation of My Mersing Big Data Johor Workshop	MEMBER	2019	2019
6	Editor In International Journal of Innovative Computing (IJIC)	MEMBER	2016	2018
7	Committee for 3rd International Workshop On Big Data Analytics	MEMBER	2017	2017
8	How to get yourself publish in high impact journal - Kolej Universiti Selatan	PENCERAMAH	1 April 2017	31 March 2018

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
9	Panel Buku UTM	MEMBER	2016	2016

University

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Coaching Digital Infuse Research Grant (DIR) Transformation Lab 2024	FACILITATOR	15 Feb 2024	15 Feb 2024
1	Panel Penilai Collaborative Research Grant (Crg) 2023 - Sesi 1	MEMBER	19 NOV 2023	19 NOV 2023
2	ADVISOR for TASK FORCE INTERVARSITY BLOCKCHAIN HACKATHON	ADVISOR	1 Mac 2023	31 Dec 2023
3	Pelantikan Sebagai Ahli Jawatankuasa <i>Digitalization Framework For Research Development Commercialization And Innovation (RDCI)</i>	MEMBER	9 Jun 2023	31 Disember 2023
4	Penilai Teknikal UTMFR	MEMBER	2021	2022
5	Panel Kesepakatan peringkat Fakulti, Fakulti Sains Bumi, bagi Kenaikan Pangkat ke Profesor, UMK	MEMBER	2021	2022
6	Special Task For 'Empowerment of UTM Big Data Centre'	HEAD	2018	2018
7	JK Teknikal Permohonan Premier Digital Tech IHL	MEMBER	2018	2018
8	Persatuan Kakitangan Akademik	MEMBER	2006	CURRENT
9	JK Tetap Senat Program/Jab Baru & Pengambilan Mahasiswa	MEMBER	2012	2014
10	Jk Tetap Senat Program Luar	MEMBER	2012	2014

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
11	JKPS-Jawatan Kuasa Pengajian Siswazah	MEMBER	2012	2014
12	JAPSU- JK Pengajian Siswazah Sps	MEMBER	2012	2014
13	JKTS SPS -JK Tetap Senate Sps	MEMBER	2012	2014
14	Ahli Jawatankuasa Pencalonan Hadiah Akademik Pasca Ijazah SPS,	MEMBER	2012	2014
15	Panel Penilai Penilaian Proposal Geran Frgs Fasa 1,	FACILITATOR	2014	2014
16	Panel Penilaian Prgs Fasa1	MEMBER	2015	2015
17	Committee for 3rd International Workshop On Big Data Analytics	MEMBER	2017	2017
18	Research Fellow, Centre of Excellence, Big Data Centre (UTM-BDC),	MEMBER	2015	2018
19	Judge, Prototype Development of Iskandar Malaysia Ecolife Challenge (IMELC) Knowledge Portal Symposium 2018	MEMBER	2018	2018
20	Committee for 4th International Workshop on Big Data Analytics 2018, Johor Malaysia,	MEMBER	2018	2018
21	Expert Reviewer for original book award, UTM Publication Award 2017,	MEMBER	2018	2018

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
21	International Grants (Excl. Japan, Eu Horizon 2020 & Middle East Countries for FC)	COORDINATOR	2018	2018
22	Committee for 4th International Workshop On Big Data Analytics 2018 (lwbda),	MEMBER	2018	2018
22	Panel Penilai Penilaian Proposal Geran Frgs Fasa 1	MEMBER	2014	2014
23	Panel Penilaian Prgs Fasa1	MEMBER	2015	2015
24	Jawatankuasa Kurikulum Universiti (JKKU),	MEMBER	2015	2015
25	Jkts Sps -Jk Tetap Senate Sps	MEMBER	2014	2018
26	Ahli Jawatankuasa Pencalonan Hadiah Akademik Pasca Ijazah SPS,	MEMBER	2012	2014
27	Committee for 4th International Workshop On Big Data Analytics 2018 (lwbda),	MEMBER	2018	2018
28	Jawatankuasa Kurikulum Universiti (JKKU)	MEMBER	2017	2018
29	Lantikan sebagai penilai PRGS, Smart Digital Community Research Alliance,	MEMBER	2017	2017
30	Editor In Chief International Journal of Innovative Computing (IJIC),	MEMBER	2016	2018
31	JK Kurikulum Prasiswazah (JKKU),	MEMBER	2015	2016
32	Bengkel Penulisan Kertas Kerja Jurnal (SCRG-BDC)	Facilitator	1 Ogos 2016	2 Ogos 2016

Faculty

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	PENYELIA LATIHAN INDUSTRI SEMESTER 1 SESSI 2022/2023	MEMBER	2/10/2023	17/2/2023
2	Keselamatan Dan Kesihatan Pekerjaan (OSHE) Fakulti Komputeran, Universiti Teknologi Malaysia	MEMBER	1/11/2022	31/10/2025
3	Jury member (HEAD), 3MThesis competition, Faculty of Computing,	HEAD	2018	2018
4	Committee for Curriculum Review, School of Computing,	MEMBER	2018	2019
5	Technical Committee for Premier Digital Tech IHL application,	MEMBER	2018	2019
6	Jawatankuasa Akademik Fakulti	MEMBER	2017	2018
7	JawatanKuasa Pentadbiran Fakulti	MEMBER	2017	2018
8	Jawatan Kuasa Pembangunan Sumber manusia FC (PPMI)	MEMBER	2017	2018
9	AJK Keceriaan Fakulti	MEMBER	2015	2016
10	JawatanKuasa Penilaian Nilai2 Islam (JAPNI)	MEMBER	2015	2016
11	AJK Pemasaran	MEMBER	2015	2017
12	JK Kurikulum Prasiswazah (JKKU)	MEMBER	2015	2016
13	AJK Keceriaan Fakulti	MEMBER	2015	2016
14	JawatanKuasa Penilaian Nilai2 Islam (JAPNI),	MEMBER	2015	2016
15	AJK Pemasaran	MEMBER	2015	2017
16	PETUGAS KARNIVAL PENGAJIAN TINGGI NEGARA JOM MASUK U 2014	FACILITATOR	2014	2014

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
17	BENGKEL (FSKSM) KURSUS SLAB UTM	FACILITATOR	2010	2010
18	LECTURE SERIES: BIG DATA FROM INSIGHT TO IMPACT (VISITING PROFESSOR)	LECTURE	12 August 2022	13 August 2022

Community

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Head, Women's Wing, NGO IKRAM	HEAD	2018	2020
2	Chair, Coalition of JOHOR Women's NGO	CHAIR	2018	2020
3	Komiti Projek Kenali Komunitiku, Flat Kangkar Pulai	COMMITTEE	2018	2020
4	KRT Induk Taman Sri Pulai, Johor Bharu	COMMITTEE	2022	2024
5	PIBG Sekolah Menengah Islam Hidayah	COMMITTEE	2022	2023
6	AJK Wanita Rukun Tetangga (KRT Meranti, Taman Sri Pulai)	COMMITTEE	2023	2024
7	Program Jelajah 'Ikon' Johor, UTM	COMMITTEE	2023	2023
8	AJK Wanita Rukun Tetangga	COMMITTEE	2012	2014
9	AJK PIBG Sekolah Rendah Islam Hidayah	COMMITTEE	2015	2016

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
10	KRT Taman Sri Pulai	ASSISTANT SECRETARY	2019	2020
11	KRT Taman Sri Pulai	COMMITTEE	2017	2018

SELECTED ACTIVITIES / WORKSHOPS / SEMINARS / COURSES

NO	NAME OF ACTIVITIES	PLACE OF ACTIVITIES	STARTING DATE	ENDING DATE
1	Bengkel Penyediaan kertas Kerja Pembangunan Program Akademik Baharu Sarjana Muda Kecerdasan Buatandengan Kepujian	Ancasa Hotel, KL	7 DEC 2023	9 DEC 2023
2	Lead, Research trip to establish collaboration in top universitites, Indoesia	Jakarta and Bandung (ITB, UI, BRIN, TelkomU, BINUS & UNPAD)	8 Oct 2023	13 Oct 2023
3	Bengkel "Digitalization Framework For Research, Development, Commercialization And Innovation (Rdci)	Pulai Spring Resort, Johor Bahru	26 Nov 2023	26 nov 2023
4	FC Research & Innovation Week (FCRI 2023)	Faculty of Computing	18 Oct 2023	21 Oct 2023
5	Bengkel Perancangan Strategik UTM Big Data Centre	Bilik Seminar BDC, Aras 1 Bangunan N31	2 Oct 2023	3 Oct 2023
6	Bengkel Sistem Pengurusan Kualiti (SPK) Fakulti Komputeran Tahun 2023	Pulai Spring, Johor	6 Sept 2023	7 Sept 2023
7	Bengkel Pengukuhan Dan Penambahbaikan Perjawatan UTM	Bangunan Canseleri Sultan Ibrahim, UTM	5 Sept 2023	5 Sept 2023
8	Panel Penilai Collaborative Research Grant (CRG), UTM 2023	ONLINE	NOV 2023	NOV 2023
9	Bengkel Penulisan Proposal FRGS (Facilitator)	FACULTY of COMPUTER, UTM	28 FEB 2023	28 FEB 2023

NO	NAME OF ACTIVITIES	PLACE OF ACTIVITIES	STARTING DATE	ENDING DATE
10	Keynote Speaker at The 4th International Conference On Applied Computing (ICAC2023)	SUNWAY BIG BOX HOTEL. JOHOR BAHRU	20 AUGUST 2023	21 AUGUST 2023
11	Editorial Board Member : International Journal Of Innovative Computing (IJUC)	INTERNATIONAL	1 JULY 2023	30 JUNE 2025
12	Penilai Soalan Dan Menyemak Skrip Peperiksaan Akhir Bagi Program Sarjana Muda Dan Diploma, Fakulti Teknologi Maklumat Dan Komunikasi, Universiti Teknikal Malaysia Melaka	REVIEWER	2019	2023
13	Fuzzy Logic Workshop for FKE PGSS	SPEAKER	28 APRIL 2015	-
14	Workshop on Predictive Analytic Tool For Innovative Digital Economy Environment	INVITED SPEAKER	28/9/2013	30/9/2013
15	Workshop on Research Proposal Preparation for Lecturers at the Faculty of Computer Sciences - Universitas Sri Wijaya	INVITED SPEAKER	29/8/2013	30/8/2013

RESEARCH ACTIVITIES

Summary	
Principal Investigator- International Grants	1 projects (RM45,643.61)
Principal Investigator- National Grants	5 projects (RM663,297.00)
Principal Investigator- UTM Grants	4 projects (RM4 RM260,000.00)
Member- International Grants	0 projects (RM0)
Member- National Grants	23 projects (RM 2,113,596.21)
Member- UTM Grants	14 projects (RM1,129,212)

As a Principal Investigator- International Grants

BIL	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	MG2 - 34.0 : Holistic and Smart Society Transformation : Artificial Intelligence in Utilization for Smart Village Development	Project Leader (UTM)	OTHERS	International Grant	RM45,643.61	1/8/2023	31/7/2025	R.J130000.7628.1U001

Principal Investigator- National Grants

NO	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/OTHER)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	The Analysis of Dimensionality Reduction in Kernel Density Estimation for Microarray DNA Clustering	Project Leader	OTHERS	Fundamental Research Grant Scheme	RM64,000.00	1/11/2008	31/10/2010	R.J130000.7828.3F321

NO	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHER)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
2	MG2 - 34.1 : Holistic and Smart Society Transformation: Enhancing Decision-Making Culture with Data-Driven Predictive Models in Smart Village Planning	Project Leader	OTHERS	Matching Grant	RM43,000.00	1/8/2023	31/7/2025	Q.J130000.30 28.04M58
3	Iterative Nearest Neighbour Based Clustering for Crime Patterns Identification	Project Leader	OTHERS	Science fund	RM123,800.00	1/12/2008	30/11/2010	R.J130000.79 28.3S328
4	Adaptive software architecture for radio frequency identification (RFID) middleware	Project Leader	OTHERS	Science fund	RM163,397.00	1/12/2006	31/8/2008	R.J130000.79 28.3S102
5	Optimal Pruning Algorithm for Automated Fuzzy Rules Generation	Project Leader	OTHERS	Fundamental Research Grant Scheme	RM100,000.00	1/9/2007	28/2/2010	R.J130000.78 28.3F237

NO	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHER)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
6	The Application of A1 Techniques for Developing Student Model for Adaptive Hypermedia Learning System on Distributed Environment	Project Leader	UTM	Science fund	RM169,100.00	14/1/1996	30/12/1997	72282

Principal Investigator- UTM Grants

NO	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	A CAD Approach In Developing Mathematical Modules On Mathematical Computing System	Project Leader	UTM	Short Term	RM10,000.00	31/8/1994	30/8/1996	71348

NO	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
2	Robust identification of abnormalities in diabetic retinopathy images based on landmark features using soft computing techniques	Project Leader	UTM	Tier 1	RM131,000.00	1/4/2011	31/3/2013	Q.J130000.2528.01H12
3	Intelligent timber surface defect detection	Project Leader	UTM	Tier 1	RM80,000.00	1/4/2014	31/3/2016	Q.J130000.2528.06H90
4	Kinship verification using new deep cnn features	Project Leader	UTM	Tier 1	RM39,000.00	1/7/2017	30/6/2019	Q.J130000.2528.16H65

As a scientific member

NO	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	Policy-based managers coordination for an adaptive architectural framework	MEMBER	UTM	Tier 1	165000	01/04/2011	31/03/2013	Q.J130000.2528.01H13
	Segamat community projek - ? 2023							

NO	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
2	Specification of mathematical computing system (a CAD approach)	MEMBER	UTM	Short Term	20000	31/05/1993	31/05/1994	71166
3	Kursus pembelajaran Al-Quran komprehensif berasaskan multimedia	MEMBER	UTM	Short Term	18500	30/06/1993	30/07/1994	71185
4	Security and privacy preserving mechanism for device discovery in D2D communication	MEMBER	OTHERS	HICOE Research Grant	85000	01/10/2019	30/06/2021	R.J130000.7851.4J412
5	Novel deep learning - concept drift hybrid models	MEMBER	OTHERS	UTM Fundamental Research	68600	01/01/2020	31/12/2022	Q.J130000.2551.21H38
6	Pembangunan komuniti lestari bangsa johor bagi perumahan berstrata kos rendah dan kos separa rendah (bangsa johor sustainable community development for low-cost and low-medium cost	MEMBER	OTHERS	Business Entity	100000	01/10/2018	31/03/2019	S.J130000.0855.4Y132

NO	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
	stratified housing)							
7	QR Big Data Code on the Cloud	MEMBER	OTHERS	COE Research Grant	50000	01/02/2018	31/01/2020	Q.J130000.2428.03G91
8	A new case-based ensemble integrator method in fuzzy inference system	MEMBER	OTHERS	Fundamental Research Grant Scheme	72504	15/08/2017	14/08/2019	R.J130000.7828.4F973
9	Intelligent routing algorithm for device to device communication in 5g	MEMBER	UTM/	Tier 1	40000	01/07/2017	30/06/2019	Q.J130000.2523.17H22
10	Joint Device Discovery Modeling for 5G Device to Device Multi Cell Communication	MEMBER	OTHERS	Fundamental Research Grant Scheme	76532	15/08/2017	14/02/2020	R.J130000.7823.4F965
11	Artificial Neural Network Based antenna beam switching algorithm for 5G application	MEMBER	OTHERS	HICOE Research Grant	90622	01/06/2016	30/11/2018	R.J130000.7823.4J215
12	An Integrated poverty measurement based on	MEMBER	UTM	Tier 1	49000	01/07/2016	31/12/2018	Q.J130000.2528.14H34

NO	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
	intelligence computational method for welfare distribution							
13	Solving document classification problem using novel integrated evolving spiking neural network with firefly algorithm	MEMBER	UTM	Tier 1	50000	15/11/2015	14/11/2017	Q.J130000.2528.11H80
14	Educate Malaysia: Maths, English & Science - UTM-MEShelp Support - Program Minat dan Yakin Berbahasa Inggeris	MEMBER	OTHERS	Networking Grant	25000	01/06/2015	31/12/2015	S.J130000.7828.4X075
15	Big data framework and analytics for palm oil MILL Effluent(pome)	MEMBER	OTHERS	Flagship	47000	01/03/2015	31/08/2016	Q.J130000.2409.03G17
16	Application of Artificial Neural Network to Switched Beam Smart Antenna	MEMBER	UTM	Tier 1	50000	01/05/2015	31/10/2016	Q.J130000.2509.09H61
17	Smart navigation design for	MEMBER	OTHERS	Flagship-Research Group	77000	01/07/2014	30/06/2016	Q.J130000.2428.02G69

NO	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
	elearning big data analytics							
18	Affine-based time-scale universal wireless channel simulator for stationary and nonstationary propagation channels	MEMBER	UTM	Tier 1	149000	01/04/2011	31/03/2013	Q.J13000.2523.02H31
19	A Modified Multi-Objective Genetic Algorithm for estimating optimal solutions of machining parameters	MEMBER	UTM	Tier 2	40000	01/04/2011	31/07/2012	Q.J13000.2628.01J34
20	Multi-variate Pattern Analysis for Forensic Identification and Verification	MEMBER	UTM	Long Term Research Grant Scheme	347712	08/08/2011	30/04/2015	R.J13000.7828.4L805
21	Development of a Multi-Objective Stormwater Extended Detention Pond Model for Urban Catchment System	MEMBER	OTHERS	Sciencefund	139695	01/08/2012	31/10/2014	R.K13000.7940.4S039
22	A New Hyper-Heuristic Algorithm for Noise	MEMBER	OTHERS	Fundamental Research Grant	52000	01/07/2014	30/06/2016	R.J13000.7828.4F481

NO	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
	Attenuation in Parameter Estimation of Synthetic Biology Models			Scheme				
23	A New Cuckoo-Neuro-Fuzzy Techniques in Gender Classification Based on Bovine Morphology Properties.	MEMBER	OTHERS	Fundamental Research Grant Scheme	91200	01/07/2014	30/11/2016	R.J130000.7828.4F509
24	Teknologi penyimpanan awan komuniti untuk bahagian teknologi pendidikan negeri johor	MEMBER	UTM	UTM Encouragement Research	30000	01/11/2019	30/04/2022	Q.J130000.2651.18J64
25	Facial based biometric security for online e-ticketing	MEMBER	UTM	Tier 2	20000	01/10/2016	31/12/2017	Q.J130000.2628.12J18
26	Mobile analytics database summarization for Malaysia air pollutant index data	MEMBER	UTM	Tier 1	50000	01/07/2016	30/06/2018	Q.J130000.2528.13H48
27	Intelligent predictive analytics for retail industry	MEMBER	UTM	Tier 1	50000	01/07/2016	30/06/2018	Q.J130000.2509.13H82

NO	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
28	Class imbalance learning in customer behaviour predictive analytics for tourism	MEMBER	UTM	Tier 1	50000	01/07/2016	30/06/2018	Q.J130000.2528.13H30
29	P System for breadth first searching in shortest path algorithms	MEMBER	OTHERS	Fundamental Research Grant Scheme	72200	02/11/2015	01/11/2017	R.J130000.7809.4F802
30	A New AUC based Learning with Hybrid Fuzzy Classifier for Class Imbalance Problem	MEMBER	OTHERS	Fundamental Research Grant Scheme	58113.21	15/08/2017	13/02/2020	R.J130000.7828.4F989
31	Crg 19.3 intelligent reports based on data analytics for asset location	MEMBER	OTHERS	Collaborative Research Grant National	20000	01/11/2019	30/04/2023	R.J130000.7309.4B500
32	KKP_2_Training : Malaysia Big Data Research Excellence Consortium (BiDaREC)	MEMBER	OTHERS	Konsortium Kecemerlangan Penyelidikan	100000	01/01/2021	30/06/2023	R.J130000.7851.4L936
33	Crg 19.0 : Cognitive iot based asset tracking and monitoring for dynamic environment	MEMBER	OTHERS	Collaborative Research Grant	100000	01/11/2019	30/04/2023	Q.J130000.2451.08G07

NO	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
34	KKP_2_Networking : Malaysia Big Data Research Excellence Consortium (BiDaREC)	MEMBER	OTHERS	Konsortium Kecemerlangan Penyelidikan	100000	01/01/2021	30/06/2023	R.J130000.7851.4L938
35	A New Fast Method of Real-time 3D reconstruction using Multiples RGB-Depth Camera Streams for Mixed Reality Telepresence	MEMBER	OTHERS	Fundamental Research Grant Scheme	74330	01/11/2020	30/04/2023	R.J130000.7851.5F401
36	KKP_2_Program : Malaysia Big Data Research Excellence Consortium (BiDaREC)	MEMBER	OTHERS	Konsortium Kecemerlangan Penyelidikan	500000	01/01/2021	30/06/2023	R.J130000.7851.4L933
37	KKP_2_Project : Malaysia Big Data Research Excellence Consortium (b BiDaREC)	MEMBER	OTHERS	Konsortium Kecemerlangan Penyelidikan	113800	01/01/2021	30/06/2023	R.J130000.7851.4L942

COLLABORATION / MOU

NO	NAME OF MOU	LEVEL OF MOU (NATIONAL/ INTERNATIONAL)	STARTING DATE	ENDING DATE
1	MEMORANDUM OF UNDERSTANDING BETWEEN UTM AND EBDESK	NATIONAL	29/10/2023	28/10/2028

2	MEMORANDUM OF UNDERSTANDING BETWEEN UTM AND INSTITUT TUN PERAK	NATIONAL	29/10/2023	28/10/2028
3	MEMORANDUM OF UNDERSTANDING BETWEEN UTM AND REBAIE GROUP	INTERNATIONAL	19/10/2023	19/10/2025
4	MEMORANDUM OF UNDERSTANDING BETWEEN UTM AND BIG DATA INSTITUTE INTERNATIONAL LTD	INTERNATIONAL	19/10/2023	19/10/2025
5	SCIENTIFIC STUDY ON DATA INGESTION APPROACHES FROM SOCIAL MEDIA PLATFORM, DATA MANAGEMENT AND PRESERVATION, AND SOCIAL NETWORK PROFILING	NATIONAL	1/08/2022	31/2/2022
6	DATA ADVISORY FOR JOHOR CORPORATION	NATIONAL	1/01/2019	31/01/2019
7	LETTER OF COLABORATION BETWEEN MIDDLE EAST UNIVERSITY (MEU), JORDAN AND UTM	INTERNATIONAL	17/07/2014	17/07/2016
8	MEMORANDUM OF UNDERSTANDING with UNSRI	INTERNATIONAL	01/01/2014	31/12/2014
9	MEMORANDUM OF UNDERSTANDING KPTM	NATIONAL	01/01/2014	31/1/2014

TEACHING ACTIVITIES

Summary	
Total Credit Hours (Undergraduates)	311
Total Credit Hours (Postgrades)	34

UNDERGRADUATES

NO	SEMESTER	SEM	SUBJECT CODE	SUBJECT	CREDIT HOUR	NO OF STUDENT
1	2023/2024	1	SECJ3553	KEPINTARAN BUATAN	34	3
2	2022/2023	2	SECJ3563	KEPINTARAN KOMPUTER	47	3

NO	SEMESTER	SEM	SUBJECT CODE	SUBJECT	CREDIT HOUR	NO OF STUDENT
3	2021/2022	2	SCSJ4134	PROJEK II KEJURUTERAAN PERISIAN	2	4
4	2021/2022	2	SECJ1013	TEKNIK PENGATURCARAAN I	31	3
5	2021/2022	2	SECJ3032	PROJEK I KEJURUTERAAN PERISIAN	4	2
6	2022/2023	1	SECJ4114	LAPORAN LATIHAN PRAKTIK	1	4
7	2022/2023	1	SECJ4118	LATIHAN PRAKTIK (HW)	1	8
8	2022/2023	1	SECV4114	LAPORAN LATIHAN PRAKTIK	3	4
9	2022/2023	1	SECV4118	LATIHAN PRAKTIK (HW)	3	8
10	2021/2022	2	UKQT3001	PENGALAMAN PEMBELAJARAN LUAR KURIKULUM	49	1
11	2022/2023	1	ULRS1012	NILAI DAN JATI DIRI	46	2
	2022/2023	1	MCSJ1053	DATA SCIENCE GOVERNANCE	42	3
12	2018/2019	2	SCSJ3563	KEPINTARAN KOMPUTER	34	3

NO	SEMESTER	SEM	SUBJECT CODE	SUBJECT	CREDIT HOUR	NO OF STUDENT
13	2018/2019	1	SCSR4114	LATIHAN INDUSTRI-LAPURAN	4	4
14	2018/2019	1	SCSR4118	LATIHAN PRAKTIK (HW)	4	8
15	2017/2018	2	SCSJ4134	PSM	2	4
16	2018/2019	1	SCSJ3553	KEPINTARAN BUATAN	40	3
17	2018/2019	1	SCSJ3553	KEPINTARAN BUATAN	15	3
18	2017/2018	2	SCSJ3563	KEPINTARAN KOMPUTER	31	3
19	2018/2019	1	SCSR4114	LAPORAN LATIHAN PRAKTIK	5	4
20	2018/2019	1	SCSR4118	LATIHAN PRAKTIK (HW)	5	8
21	2017/2018	1	SCSD4843	TOPIK KHAS PANGKALAN DATA	5	3
22	2016/2017	2	SCSJ3563	KEPINTARAN KOMPUTER	38	3
23	2017/2018	1	SCSJ4114	LAPORAN LATIHAN PRAKTIK	2	4
24	2017/2018	1	SCSJ4118	LATIHAN PRAKTIK (HW)	2	8

NO	SEMESTER	SEM	SUBJECT CODE	SUBJECT	CREDIT HOUR	NO OF STUDENT
25	2017/2018	1	SCSV4114	LAPORAN LATIHAN PRAKTIK	1	4
26	2017/2018	1	SCSV4118	LATIHAN PRAKTIK (HW)	1	8
27	2017/2018	1	UHAK1012	ATRIBUT KEJAYAAN GRADUAN	28	2
28	2015/2016	2	SCSJ3032	PSM1	4	4
29	2015/2016	2	SCSB3032	PSM 1 BIOINFORMATIK	3	2
30	2015/2016	2	SCSB3032	PROJEK I BIOINFORMATIK	3	2
31	2015/2016	2	SCSJ3032	PROJEK 1 KEJURUTERAAN PERISIAN	4	2
32	2016/2017	1	SCSJ3553	KEPINTARAN BUATAN	37	3
33	2015/2016	2	SCSJ3563	KEPINTARAN KOMPUTER	36	3
34	2015/2016	1	SCSV4114	LAPORAN LATIHAN PRAKTIK	4	4
35	2015/2016	1	SCSV4118	LATIHAN PRAKTIK	4	8
36	2015/2016	1	SCSJ3553	KEPINTARAN BUATAN	24	3
37	2014/2015	2	SCSJ3563	KEPINTARAN KOMPUTER	32	3

NO	SEMESTER	SEM	SUBJECT CODE	SUBJECT	CREDIT HOUR	NO OF STUDENT
38	2015/2016	1	SCSJ4114	LAPORAN LATIHAN PRAKTIK	3	4
39	2015/2016	1	SCSJ4118	LATIHAN PRAKTIK (HW)	3	8
40	2015/2016	1	SCSV4114	LAPORAN LATIHAN PRAKTIK	1	4
41	2015/2016	1	SCSV4118	LATIHAN PRAKTIK (HW)	1	8
42	2013/2014	2	SCJ2303	PENGATURCARAAN INTERNET	1	3
43	2013/2014	2	SCJ3553	KEPINTARAN BUATAN	3	3
44	2013/2014	2	SCJ3563	KEPINTARAN KOMPUTER	1	3
45	2013/2014	2	SCSJ3032	PROJEK 1 KEJURUTERAAN PERISIAN	5	2
46	2014/2015	1	SCSJ3203	TEORI SAINS KOMPUTER	44	3
47	2013/2014	2	SCSJ3403	TOPIK KHAS KEJURUTERAAN PERISIAN	21	3
48	2014/2015	1	SCSJ4114	LAPORAN LATIHAN PRAKTIK	1	4

NO	SEMESTER	SEM	SUBJECT CODE	SUBJECT	CREDIT HOUR	NO OF STUDENT
49	2014/2015	1	SCSJ4118	LATIHAN PRAKTIK (HW)	1	8
50	2014/2015	1	SCSR4114	LAPORAN LATIHAN PRAKTIK	3	4
51	2014/2015	1	SCSR4118	LATIHAN PRAKTIK (HW)	3	8
52	2013/2014	1	SCD4118	LATIHAN PRAKTIK	2	8
53	2013/2014	1	SCJ4118	LATIHAN PRAKTIK	2	8
54	2011/2012	2	SCJ3118	LATIHAN PRAKTIK	4	8
55	2012/2013	1	SCJ4553	PENGGOMPUTERAN PINTAR	10	3
56	2012/2013	1	SCJ4553	PENGGOMPUTERAN PINTAR	34	3
57	2011/2012	2	SCR3118	LATIHAN PRAKTIK	1	8
58	2010/2011	2	SCJ4553	PENGGOMPUTERAN PINTAR	1	3
59	2011/2012	1	SCJ4553	PENGGOMPUTERAN PINTAR	42	3
60	2010/2011	1	SCJ4553	PENGGOMPUTERAN PINTAR	34	3
61	2010/2011	1	SCJ4553	PENGGOMPUTERAN PINTAR	19	3

NO	SEMESTER	SEM	SUBJECT CODE	SUBJECT	CREDIT HOUR	NO OF STUDENT
62	2009/2010	2	SCK2293	PENGGOMPUTERAN PINTAR	4	3
63	2009/2010	2	SCV3118	LATIHAN PRAKTIK	2	8
64	2009/2010	1	SCJ3553	KEPINTARAN BUATAN	69	3
65	2009/2010	1	SCK2293	PENGGOMPUTERAN PINTAR	6	3
66	2008/2009	1	SCK2263	KEPINTARAN BUATAN	38	3
67	2007/2008	2	SCK3032	PROJEK SARJANA MUDA I	11	2
68	2007/2008	2	SCU3032	PROJEK I	0	2
69	2007/2008	1	SCI3533	KEPINTARAN BUATAN	3	3
70	2006/2007	2	SCK2263	KEPINTARAN BUATAN	22	3
71	2006/2007	2	SCK2263	KEPINTARAN BUATAN	32	3
72	2007/2008	1	SCK2263	KEPINTARAN BUATAN	25	3
73	2006/2007	1	SCK2293	PENGGOMPUTERAN PINTAR	26	3
74	2006/2007	1	SCP4243	KEPINTARAN KOMPUTAN	5	3

NO	SEMESTER	SEM	SUBJECT CODE	SUBJECT	CREDIT HOUR	NO OF STUDENT
75	2005/2006	1	SCK1233	KEJURUTERAAN PERISIAN	61	3
76	2005/2006	1	SCP4243	KEPINTARAN KOMPUTAN	47	3
						311

POSTGRADUATES

NO	SEMESTER	SEM	SUBJECT CODE	SUBJECT	CREDIT HOUR	NO OF STUDENT
1	2022/2023	1	MCSD1053	TADBIR URUS SAINS DATA	16	3
2	2019/2020	1	MCDS1053	TADBIR URUS SAINS DATA	3	3
3	2016/2017	2	MCSS1513	KEPINTARAN BUATAN LANJUTAN	13	3
4	2017/2018	1	MCSS2423	DATA MINING	18	3
5	2012/2013	2	MCC1513	KEPINTARAN BUATAN LANJUTAN	34	3
7	2011/2012	2	MCB1163	HARDWARE, SOFTWARE & CREATIVE CONTENT	17	3
8	2011/2012	2	MCC1513	KEPINTARAN BUATAN LANJUTAN	44	3

NO	SEMESTER	SEM	SUBJECT CODE	SUBJECT	CREDIT HOUR	NO OF STUDENT
9	2010/2011	2	MCC1513	KEPINTARAN BUATAN LANJUTAN	32	3
10	2010/2011	2	MCC1513	KEPINTARAN BUATAN LANJUTAN	28	3
11	2010/2011	2	MCS1180	DISERTASI	16	0
12	2009/2010	2	MCC1513	KEPINTARAN BUATAN LANJUTAN	32	3
TOTAL CREDITS						34

SUPERVISION

Summary	
Main Supervisor – PhD (Graduated)	19
Co-Supervisor – PhD (Graduated)	26
Main Supervisor – PhD (Ongoing)	3
Co-Supervisor – PhD (Ongoing)	4
Main Supervisor- Master by Research (Graduated)	14
Main Supervisor- Master by Research (On-Going)	2
Main Supervisor- Master by Taught Course (Graduated)	2
Main Supervisor- Master by Taught Course (On-Going)	0
Main Supervisor- Master by Mixed-Mode (Graduated)	8
Main Supervisor- Master by Mixed-Mode (On-Going)	1

PhD Student

NO	NAME	STATUS (GRADUATED/ ON-GOING)	TITLE	ROLES OF SUPERVISION
1	TUSNEEM AHMED MOHAMED ELHASSAN	GRADUATED	FEATURE EXTRACTION FRAMEWORK FOR CLASSIFICATION OF ATYPICAL WHITE BLOOD CELLS IN ACUTE MYELOID LEUKEMIA	CO-SUPERVISOR
2	ALIYU MUSA BADE	GRADUATED	METAMODELLING TECHNIQUE FOR UNIFORMING KNOWLEDGE OF ONLINE SOCIAL NETWORKS FORENSIC INVESTIGATION	CO-SUPERVISOR
3	ABDIRAHMAN OSMAN HASHI	ON-GOING	FLASH FLOOD PREDICTION USING DEEP LEARNING	MAIN SUPERVISOR
4	SHAIKHA SALEM NASSER SALEM	ON-GOING	THE IMPACT OF DATA ON THE QUALITY OF DECISION MAKING IN THE CULTURAL SECTOR IN UNITE ARAB EMIRATES NBSP	CO-SUPERVISOR
5	HASNIZA ELLYATI BINTI HASSAN	GRADUATED	METAHEURISTIC BASED FEATURE SELECTION AND HYBRID ENSEMBLE MULTICLASS PREDICTIVE MODEL FOR STUDENTS PERFORMANCE DATA NBSP	MAIN SUPERVISOR
6	WANG TING	ON-GOING	ATTRIBUTE REDUCTION FOR INCOMPLETE DECISION SYSTEMS INFORMATION GAIN RATIO METHOD	CO-SUPERVISOR
7	APRI JUNAIDI	ON-GOING	SENTIMENT ANALYSIS MODELLING	CO-SUPERVISOR
8	AQDAS ENAD EISA AL-HACHAMI	ON-GOING	SENTIMENT ANALYSIS OF MIXED LANGUAGES IN ARABIC	MAIN SUPERVISOR
9	SALIHU ABUBAKAR ABBA	ON-GOING	APPLICATION OF DEEP LEARNING TECHNIQUES IN DETECTION OF OIL AND GAS SPILLS FROM OFFSHORE PIPELINE USING SATELLITE IMAGES	CO-SUPERVISOR
10	ZANARIAH BINTI ZAINUDIN	GRADUATED	DEEP LEARNING FOR HISTOPATHOLOGY IMAGE IN MEDICAL IMAGING	CO-SUPERVISOR
11	MUFTAH MOHAMED JOMAH BAROUD	GRADUATED	A NEW ROUGH SET BASED MAXIMUM PARTITIONING ATTRIBUTE ALGORITHM FOR CATEGORICAL DATA CLUSTERING	MAIN SUPERVISOR

NO	NAME	STATUS (GRADUATED/ ON-GOING)	TITLE	ROLES OF SUPERVISION
12	MOHAMMAD AWWAD MOHAMMAD ALNAGDAWI	GRADUATED	ENHANCED PHASE CONGRUENCY FEATUREBASED IMAGE REGISTRATION FOR MULTIMODAL REMOTE SENSING IMAGERY	MAIN SUPERVISOR
13	YOPPY SAZAKI	ON-GOING	DESIGN SCIENCE RESEARCH IN FUZZY CLUSTERING AN INNOVATIVE APPROACH FOR UNSUPERVISED LEARNING IN DATA MINING NBSP	MAIN SUPERVISOR
14	BAYAN OMAR MOHAMMED	GRADUATED	MULTIMODAL BIOMETRICS SCHEME BASED ON DISCRETIZED EIGEN FEATURE FUSION FOR IDENTICAL TWINS IDENTIFICATION	MAIN SUPERVISOR
15	DHUHA ABDULHADI ABDULJABBAR AL-HAMDAN	GRADUATED	MULTIOBJECTIVE EVOLUTIONARY ALGORITHM WITH GRAPHLET MEASURE FOR DETECTION OF COMPLEX TOPOLOGICAL AND BIOLOGICAL COMMUNITY STRUCTURE	MAIN SUPERVISOR
16	KHALED MOHAMMED YASLAM BINABDL	GRADUATED	MULTISAMPLE FUSION STRATEGY FOR ROBUST WRITER IDENTIFICATION	MAIN SUPERVISOR
17	ASMAA SADIQ ABDULJABAR	GRADUATED	RECOVERING DEFECTIVE LANDSAT 7 ENHANCED THEMATIC MAPPER PLUS IMAGES USING MULTITEMPORAL RECONSTRUCTION APPROACH	CO-SUPERVISOR
18	RAAD AHMED HADI	GRADUATED	MOVING VEHICLES DETECTION AND TRACKING APPROACH VIA MODIFIED BACKGROUND SUBTRACTION AND INNOVATIVE ADAPTIVE SEARCH WINDOW	CO-SUPERVISOR
19	NORSHAM BINTI IDRIS	GRADUATED	INTELLIGENT LEARNING MODEL BASED ON SIGNIFICANT WEIGHT OF DOMAIN KNOWLEDGE CONCEPT FOR LEARNING MATERIALS SELECTION	CO-SUPERVISOR

NO	NAME	STATUS (GRADUATED/ ON-GOING)	TITLE	ROLES OF SUPERVISION
20	NIAYESH GHARAEI	GRADUATED	ENERGYEFFICIENT MOBILE SINK ROUTING SCHEME FOR CLUSTERED CORONABASED WIRELESS SENSOR NETWORKS	CO-SUPERVISOR
21	MOHAMAD ASHARI BIN ALIAS	GRADUATED	INTEGRATED FUZZY ANALYTIC HIERARCHY PROCESS FOR RIVER RANKING AND FLOODPLAIN MANAGEMEN	MAIN SUPERVISOR
22	UMMI RABA'AH BINTI HASHIM	GRADUATED	TIMBER DEFECT DETECTION BASED ON SYSTEMATIC FEATURE ANALYSIS AND ONE CLASS CLASSIFIER	MAIN SUPERVISOR
23	BUSHRA NAEEM	GRADUATED	GENERIC VERTICAL HANDOVER FRAMEWORK FOR HETEROGENEOUS NETWORK	CO-SUPERVISOR
24	MOHAMMAD BABRDEL BONAB	GRADUATED	AN EFFICIENT ROBUST HYPERHEURISTIC CLUSTERING ALGORITHM	MAIN SUPERVISOR
25	AMMAR MOHAMMEDALI FADHIL	GRADUATED	IMPROVED IMAGE STEGANOGRAPHY SCHEME BASED ON BIT INVERTING MAP	CO-SUPERVISOR
26	MOHAMMED ALI ALMUASHI	GRADUATED	FUSION FEATURES ENSEMBLING MODELS USING SIAMESE CONVOLUTIONAL NEURAL NETWORK FOR KINSHIP VERIFICATION	MAIN SUPERVISOR
27	ZANGOR LUAY ABDULWAHID SHIHAB	GRADUATED	IMPROVED STEGANOGRAPHY SYSTEM BASED ON INTELLIGENT SPACE EMBEDDING TO HIDE SECRET MESSAGENBSP	MAIN SUPERVISOR
28	HUDA ABDULAALI ABDULBAQI	GRADUATED	ONLINE SKETCHBASED IMAGE RETRIEVAL USING KEYSHAPE MINING OF GEOMETRICAL OBJECTS	CO-SUPERVISOR
29	CHOLLETTE CHIAZOR OLISAH	GRADUATED	NEW FACE RECOGNITION DESCRIPTOR BASED ON EDGE INFORMATION OF SURGICALLYALTERED FACES IN UNCONTROLLED ENVIRONMENT	CO-SUPERVISOR

NO	NAME	STATUS (GRADUATED/ ON-GOING)	TITLE	ROLES OF SUPERVISION
30	HASWADI BIN HASAN	GRADUATED	NEW CLUSTERING APPROACH FOR JUNCTION DETECTION OF MULTIPLE EDGES WITH MODIFIED FREEMAN CHAIN CODE	CO-SUPERVISOR
31	NILAM NUR BINTI AMIR SJARIF	GRADUATED	NEW HUMAN ACTION RECOGNITION SCHEME WITH GEOMETRICAL FEATURE REPRESENTATION AND INVARIANT DISCRETIZATION FOR VIDEO SURVEILLANCE	CO-SUPERVISOR
32	NARJESKHATOO N HABIBI	GRADUATED	PREDICTION OF RECOMBINANT PROTEIN OVEREXPRESSION IN ESCHERICHIA COLI USING MACHINE LEARNING TECHNIQUES	MAIN SUPERVISOR
33	MOHD FAZLI BIN HASHIM	GRADUATED	SOFT COMPUTING FUSION METHOD FOR AUTOMATED DIABETIC RETINOPATHY LESION IDENTIFICATION	MAIN SUPERVISOR
34	SAJJAD DADKHAH	GRADUATED	EFFECTIVE IMAGE TAMPERING DETECTION AND SELFRECOVERY ALGORITHM USING WATERMARKING	CO-SUPERVISOR
35	QAIS ALI SALEH AL-NUZAILI	GRADUATED	IMPROVEMENT OF FEATURE EXTRACTION TECHNIQUES FOR ARABIC HANDWRITTEN LITERAL AMOUNT RECOGNITION	MAIN SUPERVISOR
36	NGEAW KAM WAH	GRADUATED	DYNAMIC MEMORY LEAK DETECTION OF C IN WEB SERVER	MAIN SUPERVISOR
37	FARNAZ ARAB	GRADUATED	A ROBUST VIDEO WATERMARKING USING SIMULATED BLOCK BASED SPATIAL DOMAIN TECHNIQUE	CO-SUPERVISOR
38	ALAA MAHDI MUHAIBS AL-KENANI	GRADUATED	DESIGN AND IMPLEMENTATION OF INTELLIGENT GPS LAND NAVIGATOR BASED ON ARTIFICIAL NEURAL NETWORK ANN	MAIN SUPERVISOR
39	FALAH Y.H AHMED	GRADUATED	IMPROVED SPIKEPROP ALGORITHM FOR NEURAL NETWORK LEARNING	CO-SUPERVISOR

NO	NAME	STATUS (GRADUATED/ ON-GOING)	TITLE	ROLES OF SUPERVISION
40	MORTAZA ZOLFPOUR AROKHLO	GRADUATED	MULTI AGENT MODELS FOR ROUTE PLANNING	CO-SUPERVISOR
41	VAHID KHATIBI BARDSIRI	GRADUATED	LOCALIZATION OF SOFTWARE DEVELOPMENT EFFORT ESTIMATION BASED ON CLASSIFICATION OF PROJECTS	CO-SUPERVISOR
42	AINA MUSDHOLIFAH	GRADUATED	IMPROVED PATTERN EXTRACTION SCHEME FOR CLUSTERING MULTIDIMENSIONAL DATA	MAIN SUPERVISOR
43	ABDUL SYUKOR BIN MOHAMAD JAYA	GRADUATED	MODELING OF PHYSICAL VAPOR DEPOSITION COATING PROCESS USING RESPONSE SURFACE METHODOLOGY AND ADAPTIVE NEUROFUZZY INFERENCE SYSTEM	MAIN SUPERVISOR
44	MOHD. FAAZIE BIN DARMAWAN	GRADUATED	CHILD AGE ESTIMATION BASED ON LEFT HAND BONE USING HYBRID PARTICLE SWARM OPTIMIZATION AND ARTIFICIAL NEURAL NETWORK	CO-SUPERVISOR
45	MAHEYZAH BINTI MD. SIRAT @ MD. SIRAJ	GRADUATED	HYBRID OF STRUCTURALCAUSAL AND STATISTICAL MODEL FOR INTRUSION ALERT CORRELATION	CO-SUPERVISOR
46	ADIL ALI ABDELAZIZ SAED	GRADUATED	OPTIMIZING THE SELECTION OF ARCHITECTURE FOR COMPONENTBASED SYSTEM	CO-SUPERVISOR
47	SITI FADZILAH BINTI MAT NOOR	GRADUATED	RANGKA KERJA OBJEK PEMBELAJARAN BERGRANUL UNTUK MENYOKONG KEBOLEHGUNAAN SEMULA	CO-SUPERVISOR
48	MOHD ARFIAN BIN ISMAIL	GRADUATED	A MULTIOBJECTIVE CONSTRAINED OPTIMIZATION METHOD FOR BIOCHEMICAL SYSTEM PRODUCTION	CO-SUPERVISOR

NO	NAME	STATUS (GRADUATED/ ON-GOING)	TITLE	ROLES OF SUPERVISION
49	REZA FIRSANDAYA MALIK	GRADUATED	ROUTING OPTIMIZATION SCHEME IN WIRELESS MESH NETWORK USING PARTICLE SWARM OPTIMIZATION	CO-SUPERVISOR
50	ZURIAHATI BINTI MOHD YUNOS	GRADUATED	NEW SCHEME FOR HYBRID PREDICTIVE MODEL IN MOTOR INSURANCE CLAIMS	CO-SUPERVISOR
51	SITI NURMAINI	GRADUATED	EMBEDDED INTERVAL TYPE2 NEUROFUZZY CONTROLLER IN MOBILE ROBOT NAVIGATION WITH WEIGHTLESS NEURAL NETWORK	MAIN SUPERVISOR
52	EHSAN MOHEBI	GRADUATED	AN OPTIMIZED THRESHOLDING KOHENEN NEURAL NETWORK FOR CLUSTER ANALYSIS	CO-SUPERVISOR

MSc. Student

NO	NAME	STATUS (GRADUATED / ON-GOING)	TITLE	MODE (RESEARCH / TAUGHT-COURSE/ MIXED MODE)	ROLES OF SUPERVISION
1	SITI SYUHaida BINTI SAFAAI	ON-GOING	PERSONALITY PREDICTION BASED ON TEXT ANALYSIS USING DEEP LEARNING	RESEARCH	MAIN SUPERVISOR
2	LEENA ZEINI J ALSAATI	GRADUATED	SKETCH TO CHARACTER BASED ON POSE AND FACIAL EXPRESSION USING GENERATIVE ADVERSARIAL NETWORK	RESEARCH	MAIN SUPERVISOR
3	MUHAMMAD SHEHRYAR KHAN	GRADUATED	OPTIMAL EXPLORATION IN DUELING DEEP Q-NETWORK	RESEARCH	MAIN SUPERVISOR
4	FADZLI BIN OMAR	ON-GOING	HUMAN IDENTIFICATION THROUGH	RESEARCH	MAIN SUPERVISOR

NO	NAME	STATUS (GRADUATED / ON-GOING)	TITLE	MODE (RESEARCH / TAUGHT- COURSE/ MIXED MODE)	ROLES OF SUPERVISIO N
			INTELLIGENT VIDEO SURVEILLANCE USING MULTIMODAL BIOMETRIC		
5	CHARISSA DOYAOEN DELOS REYES	GRADUATED	ROBUST FRAMEWORK FOR RECOGNIZING FACES ALTERED BY PLASTIC SURGERY	RESEARCH	MAIN SUPERVISOR
6	ABDIRAHMAN OSMAN HASHI	GRADUATED	A ROBUST HYBRID MODEL BASED ON KALMAN-SVM FOR BUS ARRIVAL TIME PREDICTION	RESEARCH	MAIN SUPERVISOR
7	ANURAG DAS	GRADUATED	ENHANCEMENT OF FAULT DETECTION AT TRANSMITTER OPTICAL SUB ASSEMBLY PROCESS USING ARTIFICIAL NEURAL NETWORK	RESEARCH	MAIN SUPERVISOR
8	MUHAMMAD AMZARI BIN NAJMI	GRADUATED	HEALTH STATUS ESTIMATION OF TRANSCIEVER TESTING MACHINE (TTM) USING ADAPTIVE NEURO FUZZY INFERENCE SYSTEM (ANFIS)	RESEARCH	MAIN SUPERVISOR
10	CHIN YOON SOON	GRADUATED	KERNEL BASED NEAREST NEIGHBOURS CLUSTERING IN FEATURE SPACE	RESEARCH	MAIN SUPERVISOR

NO	NAME	STATUS (GRADUATED / ON-GOING)	TITLE	MODE (RESEARCH / TAUGHT- COURSE/ MIXED MODE)	ROLES OF SUPERVISIO N
11	NUREDDIN A. ABULGASEM. ABUHLIG	GRADUATED	LIBYAN VEHICLE LICENSE PLATE DETECTION AND RECOGNITION USING RADIAL BASIS FUNCTION	RESEARCH	CO- SUPERVISOR
12	FAIZAH BINTI RAZALY	GRADUATED	REAL TIME ELECTRONIC BRAILLE SOFTWARE FOR VISUALLY IMPAIRED	RESEARCH	MAIN SUPERVISOR
13	KURNIAWAN EKA PERMANA	GRADUATED	OPTIMAL PRUNING ALGORITHM FOR AUTOMATED FUZZY RULES GENERATION	RESEARCH	MAIN SUPERVISOR
14	MARDIYONO	GRADUATED	FRID MIDDLEWARE	RESEARCH	MAIN SUPERVISOR
15	AHAMMAD ULLAH SIKDER	GRADUATED	ARTIFICIAL INTELLIGENCE	RESEARCH	MAIN SUPERVISOR
16	SEN CHEN FAI	GRADUATED	ARTIFICIAL INTELLIGENCE	RESEARCH	MAIN SUPERVISOR
17	NORKHAMDANI BT ISMAIL	GRADUATED	ARTIFICIAL INTELLIGENCE	RESEARCH	CO- SUPERVISOR

UTM POSTGRADUATE EXAMINATION/ VIVA

Summary	
PHD Internal Examiner	47
PHD External Examiner	7
MSc. Internal Examiner	37
MSc. External Examiner	1
Fast track student examiner	0
Others Examiner	0

NO	ROLE	STUDENTS NAME	TITLE	PERINGKAT PENGAJIAN	YEAR
1	EXTERNAL EXAMINER	YONG LI SHENG (S2021624/1)	DISTRIBUTIONAL REINFORCEMENT LEARNING FOR PREDICTIVE MODEL IN FINANCIAL TRADING	MSC (UM)	2024
2	INTERNAL EXAMINER	ABBAS MOHAMMED ASSAF	HYBRID DEEP LEARNING TECHNIQUES FOR SHORT TERM PHOTOVOLTAIC POWER FORECASTING	PHD	2023
3	INTERNAL EXAMINER	FERDIANSYAH	OPTIMIZED LONG SHORT TERM MEMORY MODEL FOR CRYPTOCURRENCY PRICE PREDICTION	PHD	2023
4	INTERNAL EXAMINER	MOHAMAD FAIZ BIN DZULKALNINE	AN IMPROVED HYBRID IMPUTATION MODEL WITH OPTIMIZED PARAMETERS AND FUZZY FEATURE SELECTION	PHD	2023
5	EXTERNAL EXAMINER (UTEM)	SULTAN KHALIFA HUMAID	DETERMINANTS OF CYBERATTACK PREVENTION AMONG INDIVIDUALS IN UAE FINANCIAL ORGANIZATIONS	PHD	2023
6	EXTERNAL EXAMINER - UNISEL	WASIN AYMAN HABIB ALKISHRI	EVALUATING THE EFFECTIVENESS OF A GAN FINGERPRINT REMOVAL APPROACH IN FOOLING DEEPFAKE DETECTION	PHD	2023
7	INTERNAL EXAMINER	RICKEY TING PEK EEK,	INTELLIGENT SWARM ACTIVE VIBRATION CONTROL FOR VIBRATION SUPPRESSION OF FLEXIBLE STRUCTURES	PHD	2021
8	INTERNAL EXAMINER	SITI NURULASILAH SUHAIMI	OPTIMIZING PIGMENT PRODUCTION FROM AGRICULTURAL WASTE USING HEURISTIC OPTIMIZATION ALGORITHM,	PHD	2021

NO	ROLE	STUDENTS NAME	TITLE	PERINGKAT PENGAJIAN	YEAR
9	EXTERNAL EXAMINER(UTEM)	MOHAMMAD HADYAN WARDHANA	ENHANCEMENT DEGREE OF INJURY DETERMINATION MODEL FOR MEDICOLEGAL PROGNOSIS ON VISCUM ET PREPARTUM	PHD	2020
10	INTERNAL EXAMINER	NURUL ATHIRAH NASARUDDIN	IDENTIFICATION OF INFORMATIVE SUB PATHWAYS AND GENES USING IMPROVED DIFFERENTIAL EXPRESSION ANALYSIS FOR PATHWAYS (IDEAP)	MASTER	2020
11	INTERNAL EXAMINER	MOHD SAIFUL ABDUL RAHIM	MSC. DEVELOPMENT OF MALAYSIA BLOOD ORDERING SYSTEM (MYBOS)	MASTER	2019
12	INTERNAL EXAMINER	SALISA MUSA	HYBRID EVOLUTIONARY FUZZY OVERSAMPLING WITH ENSEMBLES FOR IMBALANCE AND OVERLAPPING BIG DATA CLASSIFICATION	PHD	2019
13	INTERNAL EXAMINER	FATIN SHAHIRAH	CLASS-SPECIFIC ARABIC SENTIMENT ANALYSIS AND OPINION MINING : A CASE STUDY OF GOVERNMENTAL SERVICES REVIEWS	MASTER	2019
14	EXTERNAL EXAMINER (UMP)	HASNEEZA LIZA BINTI ZAKARIA	ELITIST HYBRID MIGRATING BIRDS OPTIMIZATION AND GENETIC ALGORITHM BASED STRATEGY FOR T-WAY TEST SUITE GENERATION,	PHD	2019
15	INTERNAL EXAMINER	MERLINDA WIBOWO	Prediction Methods for Air Pollution Using Machine Learning	MASTER	2019

NO	ROLE	STUDENTS NAME	TITLE	PERINGKAT PENGAJIAN	YEAR
16	EXTERNAL EXAMINER (UKM)	NABILAH FILZAH MOHD RADZUAN	MODEL RAMALAN DATA SIRI MASA TIDAK MENENTU.	PHD	2019
17	INTERNAL EXAMINER	NIES HUI WEN	ENHANCED METHODS OF DIRECTED RANDOM WALK TO IDENTIFY PATHWAY AND GENE MARKERS FROM MULTICLASS CANCER EXPRESSION DATA	PHD	2019
18	EXTERNAL EXAMINER (UTHM)	NOOR AIDA HUSAINI	A MODIFIED OPTIMISATION ALGORITHM FOR HIGHER ORDER NEURAL NETWORK WEIGHT OPTIMISATION USED IN TIME SERIES PREDICTION	PHD	2019
19	INTERNAL EXAMINER	NUR ARIFFIN MOHD ZIN	SOFT CONTACT LENS SEGMENTATION AND CLASSIFICATION FRAMEWORK IN IRIS IMAGE,	PHD	2019
20	INTERNAL EXAMINER	POUYA FOUDEH	SCALLABLE PROBABILISTIC ONTOLOGY BASED FOR HUMAN ACTIVITY RECOGNITION,	PHD	2019
21	INTERNAL EXAMINER	SALISU MUSA BORODO,	HYBRID EVOLUTIONARY FUZZY OVERSAMPLING WITH ENSEMBLES FOR IMBALANCE AND OVERLAPPING BIG DATA CLASSIFICATION	PHD	2019
22	INTERNAL EXAMINER	SHIRIN NOEKHAH	NEW MODEL FOR OPINION SPAM DETECTION BASED ON MULTI ITERATION GRAPH STRUCTURE.	PHD	2019
23	EXTERNAL EXAMINER (UMP)	TASIRANSURINI BINTI AB RAHMAN	FINITE IMPULSE RESPONSE OPTIMIZERS FOR SOLVING OPTIMIZATION PROBLEMS	PHD	2019

NO	ROLE	STUDENTS NAME	TITLE	PERINGKAT PENGAJIAN	YEAR
24	INTERNAL EXAMINER	ALIREZA YOUSEFPOR	INTEGRATION-BASED FEATURE SUBSET SELECTION FOR SENTIMENT ANALYSIS.	PHD	2018
25	INTERNAL EXAMINER	ANG JUN CHIN	SEMI-SUPERVISED SVM-RFE FEATURE SELECTION METHOD AND FUZZY SVDD-BASED DETECTION MODEL FOR CANCER OUTLIER	PHD	2018
26	INTERNAL EXAMINER	ARAZ RAJAB ABRAHIM	IMAGE FORGERY	PHD	2018
27	INTERNAL EXAMINER	MAHMOUD AHMAD SALEM AL-KHASAWNEH	AN ENHANCED IMAGE ENCRYPTION SCHEME FOR HADOOP ENVIRONMENT USING COMBINED CHAOTIC MAP AND IMPROVED SHUFFLING.	PHD	2018
28	INTERNAL EXAMINER	MUHAMAD FARHIN BIN HARUN,	AN IMPROVED NSGA-II FOR MULTIOBJECTIVE OPTIMIZATION OF BUILDING INFORMATION MODELLING	PHD	2018
29	INTERNAL EXAMINER	MUHAMMAD 'ARIF	METAHEURISTIC APPROACH ON FEATURE EXTRACTION AND CLASSIFICATION ALGORITHM FOR HANDWRITTEN CHARACTER RECOGNITION	PHD	2018
30	INTERNAL EXAMINER	BONG MEI FERN	BOTANICAL FEATURES EXTRACTIONS METHOD FOR LEAF RECOGNITIONS	PHD	2017
31	INTERNAL EXAMINER	FATIN SHAHIRAH ZULKEPLI	MSC. ALI HAMDY FERGANI ALI	MASTER	2017
32	INTERNAL EXAMINER	LIM WEE LOON	BONE GENDER CLASSIFICATION.	PHD	2017

NO	ROLE	STUDENTS NAME	TITLE	PERINGKAT PENGAJIAN	YEAR
33	INTERNAL EXAMINER	INTAN ERMAHANI A. JALIL	HYBRID FEATURES RANKING FOR WRITER IDENTIFICATION,	PHD	2016
34	INTERNAL EXAMINER	MOHAMMAD FIRDAUS AB AZIZ	QUANTUM BASED META HEURISTIC ALGORITHM FOR ELMAN RECURRENT NEURAL NETWORK LEARNING,	PHD	2016
35	INTERNAL EXAMINER	MOHD IZZAT MOHD ISKANDAR YONG	A HYBRID BAT ALGORITHM AND DYNAMIC FLUX BALANCE ANALYSIS FOR ENHANCING ETHANOL PRODUCTION	MASTER	2016
36	INTERNAL EXAMINER	SAMIRA FOTTOHIFIROOZABADI	TEXT MODELING APPROACHES FOR PROTEIN STRUCTURE ALIGNMENT AND HINGE DETECTION	PHD	2016
37	INTERNAL EXAMINER	UMI FARHANA ALIAS	ANALYSIS OF STUDENT BEHAVIOURAL LEARNING MANAGEMENT SYSTEM USING SELF ORGANIZING MAP CLUSTERING TECHNIQUE	MASTER	2016
38	INTERNAL EXAMINER	EINALLAH SALEHI	MEMBRANE COMPUTING FOR SHORTEST PATH PROBLEM	PHD	2015
39	INTERNAL EXAMINER	ZHOU KAIQING	KNOWLEDGE REPRESENTATION AND REASONING BY USING FUZZY PETRI NET	PHD	2015
40	INTERNAL EXAMINER	ASHRAF OSMAN		PHD	2015
41	INTERNAL EXAMINER	EINALLAH SALEHI	MEMBRANE COMPUTING FOR SHORTEST PATH PROBLEM,	PHD	2015

NO	ROLE	STUDENTS NAME	TITLE	PERINGKAT PENGAJIAN	YEAR
42	INTERNAL EXAMINER	KOHBALAN A/L MOORTHY		PHD	2015
43	INTERNAL EXAMINER	MAZURA MAT DIN	COMPUTATIONAL ASSESSMENT OF OFFSHORE PIPELINE,	PHD	2015
44	INTERNAL EXAMINER	NASSER OMER SAHEL BA-KARAIT	ARTIFICIAL IMMUNE SYSTEM AND PARTICLE SWARM OPTIMIZATION METHODS FOR BRAIN ACTIVITY ANALYSIS	PHD	2015
45	INTERNAL EXAMINER	PARVEENDERJEET KAUR BAL	DEVELOPMENT OF MOBILE APPLICATION FOR THALASSEMIA PATIENT MANAGEMENT	MASTER	2015
46	INTERNAL EXAMINER	SYAZWAN MAD JAIS	ARTIFICIAL INTELLIGENCE	MASTER	2015
47	INTERNAL EXAMINER	ZHOU KAIQING	KNOWLEDGE REPRESENTATION AND REASONING BY USING FUZZY PETRI NET	PHD	2015
48	INTERNAL EXAMINER	AIDA ALI	IMPROVING NON-UNIFORM RATIONAL B-SPLINES KNOT REMOVAL WITH PARTICLE SWARM OPTIMIZATION,	PHD	2014
49	INTERNAL EXAMINER	AYED AHMAD HAMDAN AL-RADAIDEH	ONTOLOGY LEARNING WITH IMPROVED GRAPHS BASED MATCHING FOR AUTOMATIC TEXT SUMMARIZATION	PHD	2014
50	INTERNAL EXAMINER	FONG CHENG WENG	HYBRID SWARM BASED APPROACHES TO UNIVERSITY TIMETABLING,	PHD	2014
51	INTERNAL EXAMINER	JAVAD HOSSEINKHANI	AN EFFECTIVE SEMANTIC SEARCH ENGINE TO SUPPORT WEB CRIME MINING	PHD	2014
52	INTERNAL EXAMINER	MOHAMAD NIZAM KASIM		PHD	2014

NO	ROLE	STUDENTS NAME	TITLE	PERINGKAT PENGAJIAN	YEAR
53	INTERNAL EXAMINER	NAVEED ABBAS	AUTOMATIC MALARIA PARASITAEMIA DETECTION IN THIN BLOOD , SMEARS IMAGES	PHD	2014
54	INTERNAL EXAMINER	TEOH CHONG KEAT	SOLVING THE MULTI-OBJECTIVE UNIVERSITY COURSE TIMETABLING PROBLEM USING HYBRIDIZED FUZZY CUCKOO OPTIMIZATION ALGORITHM	PHD	2014
55	INTERNAL EXAMINER	ZANARIAH ZAINUDIN	A SCHEDULING PROBLEM FOR ROSTERING MEDICAL DOCTOR USING HYBRID GA-PSO	MASTER	2013
56	INTERNAL EXAMINER	FAISAL ABDULKAREM QASEM SAEED	CONSENSUS CLUSTERING TECHNIQUES FOR COMBINING MULTIPLE CLUSTERING OF CHEMICAL STRUCTURE	PHD	2013
57	INTERNAL EXAMINER	MOHAMAD FIRDAUS AB AZIZ	QUANTUM BASED META-HEURISTIC ALGORITHM FOR ELMAN RECURRENT NETWORK	PHD	2013
58	INTERNAL EXAMINER	SHAFATURNUR HASSAN	MULTISTRATEGY LEARNING IN SELF ORGANIZING NETWORK,	PHD	2013
59	INTERNAL EXAMINER	SHAROUN KAUR A/P GURAMAD SINGH	ENZYME SUB-FUNCTIONAL CLASS PREDICTION USING MULTI-BIOLOGICAL KNOWLEDGE FEATURE REPRESENTATION AND TWIN SUPPORT VECTOR MACHINE CLASSIFIER	MASTER	2013

NO	ROLE	STUDENTS NAME	TITLE	PERINGKAT PENGAJIAN	YEAR
60	INTERNAL EXAMINER	SUZANNA NOOR AZMY	APPLICATION OF TERRESRIAL LASER SCANNING IN BAT POPULATION SURVEY	MASTER	2013
61	INTERNAL EXAMINER	NOR BAHIAH AHMAD	ANALYSING LEARNING PREFERENCES FROM E-LEARNING ACTIVITIES	PHD	2012
62	INTERNAL EXAMINER	SARINA SULAIMAN	INTELLIGENT WEB CACHING USING NEUROCOMPUTING AND PARTICLE SWARM OPTIMIZATION ALGORITHM	PHD	2012
63	INTERNAL EXAMINER	ZAHRA BEHESHTI	POPULATION-BASED META-HEURISTIC ALGORITHMS,	PHD	2012
64	INTERNAL EXAMINER	ZURAINI ALI SHAH	SHAH,COMBINATION OF DIMENSION REDUCTION AND MODIFIED ROBUST ESTIMATION FOR GENE-BASED CANCER CLASSIFICATION,	PHD	2012
65	INTERNAL EXAMINER	ROHAYANTI HASSAN	GRANULAR SUPPORT VECTOR MACHINE WITH SIGNIFICANT FEATURES VECTOR AND OPTIMAL LENGTH OF LOCAL PROTEIN STRUCTURES TO PREDICT STRUCTURAL CLASS OF PROTEIN	PHD	2011
66	INTERNAL EXAMINER	RUHAIDAH SAMSUDIN	HYBRID MODEL OF GROUP METHOD OF DATA HANDLING GMHD METHOD AND LEAST SQUARE SUPPORT VECTOR MACHINE FOR TIME SERIES FORECASTING	PHD	2011
67	INTERNAL EXAMINER	AMIR ATAPOUR ABARGHOUEI	'SOLVING TRAVELLING	MASTER	2010

NO	ROLE	STUDENTS NAME	TITLE	PERINGKAT PENGAJIAN	YEAR
68	INTERNAL EXAMINER	CITRA RAMADHENA	THE STUDY OF WEIGHT SIGN CHANGE OF THE MODIFIED ERROR IN 3 TERM BP	MASTER	2010
69	INTERNAL EXAMINER	MOHD HISYAMUDDIN MOHD HASHIM	ELMAN RECURRENT NETWORK MODEL BASED ON PSO FOR CRIME RATE	MASTER	2010
70	INTERNAL EXAMINER	MOSTAFA ERFANI	A MODIFIED PSO WITH FUZZY INFERENCE SYSTEM FOR SOLVING PLANAR GRAPH COLORING PROBLEM	MASTER	2010
71	INTERNAL EXAMINER	NORSHARINA ABU BAKAR	INTEGRATED ZERNIKE FORMULATION FOR FEATURES GRANULARITY IN PATTERN RECOGNITION	MASTER	2010
72	INTERNAL EXAMINER	SAMAN SINAIE	SOLVING SHORTEST PATH PROBLEM USING GRAVITATIONAL SEARCH ALGORITHM AND NEURAL NETWORKS	MASTER	2010
73	INTERNAL EXAMINER	SHAFATUNNUR HASAN	ENHANCED SELF ORGANIZING MAP WITH PSO FOR CLASSIFICATION PROBLEMS	MASTER	2010
74	INTERNAL EXAMINER	SULTAN NOMAN QASEM	MEMETIC MULTI-OBJECTIVE EVOLUTIONARY ALGORITHM OF RADIAL BASIS FUNCTION NETWORK FOR CLASSIFICATION PROBLEM	PHD	2010
75	INTERNAL EXAMINER	WONG YEE LENG	IMPACT OF DISCRETIZATION METHODS ON CHINESE HANDWRITING IDENTIFICATION	MASTER	2010

NO	ROLE	STUDENTS NAME	TITLE	PERINGKAT PENGAJIAN	YEAR
76	INTERNAL EXAMINER	ZEYAD ABD AL GFOOR	REAL-VALUED NEGATIVE SELECTION FOR EARTHQUAKE DETECTION	MASTER	2010
77	INTERNAL EXAMINER	ALZHRANI SALHA MOHAMMED	PLAGIARISM AUTO-DETECTION FOR ARABIC SCRIPTS BASED ON FINGERPRINTING AND FUZZY SET INFORMATION RETRIEVAL APPROACHES	MASTER	2009
78	INTERNAL EXAMINER	FALAH AHMED	A NEURAL NETWORK APPROACH FOR OSTEO ARTHRITIN'	MASTER	2009
79	INTERNAL EXAMINER	GOH KIA ENG	APPLYING SELF-ORGANIZING MAP AND MULTILAYER PERCEPTRON FOR MALAY SPEECH RECOGNITION	MASTER	2009
80	INTERNAL EXAMINER	LOH MUN YEE	VECTOR QUANTIZATION DECISION RULE AND GAUSSIAN MIXTURE MODELS ADAPTATION FOR OPTIMIZE SPEAKER IDENTIFICATION CLASSIFICATION	MASTER	2009
81	INTERNAL EXAMINER	MOHD HILMI MUDA	SVM TWO-LAYER CLASSIFIER FOR REMOTE PROTEIN HOMOLOGY DETECTION AND FOLD RECOGNITION	MASTER	2009
82	INTERNAL EXAMINER	NARGES MOHAMMADI	MOLECULAR DATABASES SIMILARITY SEARCHING USING SUPPORT VECTOR MACHINES	MASTER	2009

NO	ROLE	STUDENTS NAME	TITLE	PERINGKAT PENGAJIAN	YEAR
83	INTERNAL EXAMINER	NURUHUDA GAZALI	'CLASSIFICATION OF MICROARRAY DATA USING EVOLUTIONARY-BASED ALGORITHM	MASTER	2009
84	INTERNAL EXAMINER	TAN SWEE QUA	ARTIFICIAL NEURAL NETWORK LEARNING ENHANCEMENT USING ARTIFICIAL FISH SWARM ALGORITHM (AFSA)	MASTER	2009
85	INTERNAL EXAMINER	ABDULSTAAR A WALAA	DIFFERENTIAL EVOLUTION FOR BACK PROPAGATION LEARNING ENHANCEMENT	MASTER	2008
86	INTERNAL EXAMINER	PUSPADEVI A/P KUPPUSAMY	ENHANCEMENT OF THREE TERM BACKPROPAGATION FOR CLASSIFICATION PROBLEMS	MASTER	2008
87	INTERNAL EXAMINER	SITI HASRINAFASYA	FUZZY CASE REPRESENTATION TO GENERATE QUESTION ITEMS	MASTER	2008
88	INTERNAL EXAMINER	TEE CHENG SIEW	SIMILARITY BASED ONLINE FUZZY FEATURE SELECTION IN CONTENT-BASED IMAGE RETRIEVAL	MASTER	2008
89	INTERNAL EXAMINER	WONG JENN HWEE	ROUGH SETS THEORY FOR TRAVEL DEMAND ANALYSIS IN JOHOR	MASTER	2008
90	INTERNAL EXAMINER	LING LIU INN	ARTIFICIAL IMMUNE SYSTEM FOR ABNORMAL STOCK TRADING DETECTION	MASTER	2007
91	INTERNAL EXAMINER	MOHAMMAD HADI MASHINCHI	FUZZY BACK PROPAGATION LEARNING WITH GA TUNING	MASTER	2007
92	INTERNAL EXAMINER	MUHAMMAD ZAINI MATONDANG	DEV OF INTELLIGENT 3D SOLID MODELER BASED ON AI TECHNIQUE	MASTER	2007

PUBLICATIONS

Sila tambah mengikut kesesuaian.

Summary	
ISI Article/Journal	142
Scopus Article/Journal	75
Non-Indexed Article/Journal	4
Indexed Conference Proceedings	13
Non- Indexed Conference Proceedings	7
Book Chapters	3
Original Book	0
Classified/Technical /Expert Report	4
Policy Paper	0

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
1	SCIENTIFIC STUDY ON DATA INGESTION FROM SOCIAL		-	-	-	-	2023	-	CLASIFIED/ TECHNICAL REPORT	-	-	-

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
	MEDIA PLATFORM, DATA MANAGEMENT AND PRESERVATION, AND SOCIAL NETWORK PROFILING											
2	Feature Extraction of White Blood Cells Using CMYK-Moment Localization and Deep Learning in Acute Myeloid Leukemia Blood Smear Microscopic Images	IEEE Access	2169-3536	10		16577 - 16591	2022	3.9	Article	COMPUTER SCIENCE, INFORMATION SYSTEMS	Q2	WOS/ SCOPUS
5	Segmentation of White Blood Cells in Acute Myeloid	Studies in Big Data		109		Jan-24	2022			Book Chapter		SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
	Leukemia Microscopic Images: A Review											
6	Siamese convolutional neural network and fusion of the best overlapping blocks for kinship verification	Multimedia Tools and Applications	1380-7501	81	27	39311 - 39342	2022	3.6	Article	COMPUTER SCIENCE, INFORMATION SYSTEMS	Q2	WOS/ SCOPUS
8	A Fusion Schema of Hand-Crafted Feature and Feature Learning for Kinship Verification	Lecture Notes on Data Engineering and Communications Technologies		72		1050-1063	2021					SCOPUS
9	A Real Time Flood Detection System Based on Machine Learning Algorithms	Lecture Notes on Data Engineering and Communications Technologies		72		364-373	2021					SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
		ons Technologies										
10	Monitoring and Optimizing Solar Power Generation of Flat-Fixed and Auto-Tracking Solar Panels with IoT System	IOP Conference Series: Materials Science and Engineering		1062	1	-	2021					SCOPUS
11	Multi-user Shared Access (MUSA) procedure for device discovery in D2D communication	Telecommunication Systems	1018-4864	76	2	291 - 297	2021	2.5	Article	TELECOMMUNICATIONS	Q3	WOS/ SCOPUS
12	Sector Scanning Algorithm (SSA) for	International Journal of Electronics		108	1	45-66	2021					SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
	device discovery in D2D communication											
13	Signaling Overhead Reduction Techniques in Device-to-Device Communications: Paradigm for 5G and Beyond	IEEE ACCESS	2169-3536	9		11037 - 11050	2021	3.9	Article	COMPUTER SCIENCE, INFORMATION SYSTEMS	Q2	WOS/ SCOPUS
14	A Robust Hybrid Model Based on Kalman-SVM for Bus Arrival Time Prediction	Advances in Intelligent Systems and Computing	2194-5357	1073		511 - 519	2020		Proceedings Paper	4th International Conference of Reliable Information and Communication Technology (IRICT)		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
15	A Survey on Security and Privacy Challenges in Device Discovery for Next-Generation Systems	IEEE ACCESS	2169-3536	8		84584 - 84603	2020	3.9	Article	COMPUTER SCIENCE, INFORMATION SYSTEMS	Q2	WOS/ SCOPUS
16	An Enhanced Evolutionary Algorithm for Detecting Complexes in Protein Interaction Networks with Heuristic Biological Operator	Advances in Intelligent Systems and Computing	2194-5357	978		334 - 345	2020		Proceedings Paper	4th International Conference on Soft Computing and Data Mining (SCDM)		WOS/ SCOPUS
17	An improved multi-objective evolutionary algorithm for detecting communities in complex networks with	Computer Networks	1389-1286	169			2020	5.6	Article	COMPUTER SCIENCE, HARDWARE & ARCHITECTURE	Q1	WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
	graphlet measure											
18	An New Algorithm-based Rough Set for Selecting Clustering Attribute in Categorical Data	2020 6th International Conference on Advanced Computing and Communication Systems, ICACCS 2020	2469-5556			1358 - 1364	2020		Proceedings Paper	6th International Conference on Advanced Computing and Communication Systems (ICACCS)		WOS/ SCOPUS
19	Bat echolocation-based algorithm for device discovery in D2D communication	SN Applied Sciences		2	8	-	2020		Article			SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
20	Cycle Generative Adversarial Network for Unpaired Sketch-to-Character Translation	Advances in Intelligent Systems and Computing	2194-5357	1073		321 - 329	2020		Proceedings Paper	4th International Conference of Reliable Information and Communication Technology (IRICT)		WOS/ SCOPUS
21	Feature Engineering for Predicting MOOC Performance	IOP Conference Series: Materials Science and Engineering		884	1	-	2020		Article			SCOPUS
22	Full Duplex DD for In-Band D2D Communication	Wireless Personal Communications	0929-6212	115	1	679 - 694	2020	2.2	Article	TELECOMMUNICATIONS	Q3	WOS/ SCOPUS
23	Individuality representation using multimodal biometrics with aspect united	Journal of Theoretical and Applied Information Technology		98	12	2148-2157	2020		Article			SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
	moment invariant for identical twins											
24	Nature-inspired optimization algorithms for community detection in complex networks: a review and future trends	Telecommunication Systems	1018-4864	74	2	225 - 252	2020	2.5	Review	TELECOMMUNICATIONS	Q3	WOS/ SCOPUS
25	Performance Analysis of Device Discovery Algorithms for D2D Communication	Arabian Journal for Science and Engineering		45	3	1457-1471	2020		Article			SCOPUS
26	Positive region: An enhancement of partitioning attribute based	Periodicals of Engineering and Natural Sciences		8	4	2424-2439	2020					SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
	rough set for categorical data											
29	FROM DATA TO DECISION: HOW BIG DATA CAN BE USED TO SUPPORT THE PROCESS OF SELECTING CANDIDATES FOR TOP POSITIONS IN UNIVERSITIES	THE UTM LEADERSHIP SYMPOSIUM 2020					2020		PROCEEDINGS			PROCEEDINGS
30	JOHOR CORPORATION ANALYTICS PROJECT DOCUMENTATION						2020		CLASIFIED/TECHNICAL REPORT			CLASIFIED/TECHNICAL REPORT

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
31	A New Swarm-Based Simulated Annealing Hyper-Heuristic Algorithm for Clustering Problem	Procedia Computer Science		163		228-236	2019					SCOPUS
32	An Efficient Robust Hyper-Heuristic Algorithm to Clustering Problem	Advances in Intelligent Systems and Computing	2194-5357	888		48 - 60	2019		Proceedings Paper	Computational Intelligence in Information Systems Conference (CIIS)		WOS/ SCOPUS
33	An enhanced evolutionary algorithm with local heuristic approach for detecting community in complex networks	Journal of Theoretical and Applied Information Technology		97	20	2452-2466	2019					SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
34	An Evolutionary Algorithm for Community Detection Using an Improved Mutation Operator	-				406 - 410	2019		Proceedings Paper	3rd International Conference on Electrical Engineering and Computer Science (ICECOS)		WOS/ SCOPUS
35	Device Discovery for D2D Communication Using Belief Space Search in Dense Area	ICECOS 2019 - 3rd International Conference on Electrical Engineering and Computer Science, Proceeding				401-405	2019					SCOPUS
37	Device Discovery in D2D Communication: A Survey	IEEE Access	2169-3536	7		13114 - 131134	2019	3.9	Article	COMPUTER SCIENCE, INFORMATION SYSTEMS	Q2	WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
38	Energy-Efficient Intra-Cluster Routing Algorithm to Enhance the Coverage Time of Wireless Sensor Networks	IEEE Sensors Journal	1530-437X	19	12	4501-4508	2019	4.3	Article	ENGINEERING, ELECTRICAL & ELECTRONIC	Q2	WOS/ SCOPUS
39	Energy-Efficient Mobile-Sink Sojourn Location Optimization Scheme for Consumer Home Networks	IEEE Access	2169-3536	7		112079-112086	2019	3.9	Article	COMPUTER SCIENCE, INFORMATION SYSTEMS	Q2	WOS/ SCOPUS
40	Game Refinement Settings on Idle Games	Proceeding of 2019 5th International Conference on Wireless and				-	2019					SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
		Telematics, ICWT 2019										
42	Improve image registration jeffrey's divergence method for insufficient overlap area using kmeans++ in remote sensed images	Journal of Theoretical and Applied Information Technology		97	5	157 1- 158 0	2019					SCOPUS
43	Inter- and intra-cluster movement of mobile sink algorithms for cluster-based networks to enhance the network lifetime	Ad Hoc Networks	15 70- 87 05	85		60 - 70	2019	4.8	Article	COMPUTER SCIENCE, INFORMATION SYSTEMS	Q2	WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
45	ORB-PC feature-based image registration	Proceedings of the 2019 IEEE International Conference on Signal and Image Processing Applications, ICSIPA 2019	2373-681X			111-115	2019		Proceedings Paper	IEEE International Conference on Signal and Image Processing Applications (IEEE ICSIPA)		WOS/ SCOPUS
46	Reduction in ping-pong effect in heterogeneous networks using fuzzy logic	Soft Computing	1432-7643	23	1	269-283	2019		Article	SOFT COMPUTING		WOS/ SCOPUS
49	Utilizing hybrid functional fuzzy wavelet neural networks with a teaching learning-based optimization algorithm for	Computers in Biology and Medicine	0010-4825	112		-	2019		Article	COMPUTERS IN BIOLOGY AND MEDICINE		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
	medical disease diagnosis											
50	MOBILE ANALYTICS DATABASE SUMMARIZATION FOR MALAYSIA AIR POLLUTANT INDEX DATA						2019		CLASIFIED/TECHNICAL REPORT			CLASIFIED/TECHNICAL REPORT
51	DEVICE DISCOVERY FOR D2D COMMUNICATION USING BELIEF SPACE SEARCH IN DENSE AREA	INTERNATIONAL CONFERENCE ON ELECTRICAL ENGINEERING AND COMPUTER SCIENCE 2019					2019		CONFERENCE PAPER			CONFERENCE PAPER

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
52	An Enhanced Quadratic Angular Feature Extraction Model for Arabic Handwritten Literal Amount Recognition	RECENT TRENDS IN INFORMATION AND COMMUNICATION TECHNOLOGY	2367-4512	5		369-377	2018		Proceedings Paper	RECENT TRENDS IN INFORMATION AND COMMUNICATION TECHNOLOGY		WOS/ SCOPUS
55	Collaborative Mobile Sink Sojourn Time Optimization Scheme for Cluster-Based Wireless Sensor Networks	IEEE Sensors Journal	1530-437X	18	16	6669-6676	2018	4.3	Article	ENGINEERING, ELECTRICAL & ELECTRONIC	Q2	WOS/ SCOPUS
57	Extraction and Exploratory Analysis of Texture Features on Images of Timber Defect	ADV SCI LETT	1936-6612	24	2	1104-1108	2018	1.253	Proceedings Paper	MULTIDISCIPLINARY SCIENCES	Q2	WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
60	Swarm optimization based radio resource allocation for dense devices D2D communication	International Journal of Advanced Computer Science and Applications	2158-107X	9	6	252-256	2018		Article	INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS		WOS/ SCOPUS
62	White matter lesion intensity standardization using adaptive landmark based brain tissue analysis on FLAIR MR image	International Journal of Advances in Soft Computing and its Applications		10	3	144-166	2018					SCOPUS
63	AN ENHANCED QUADRATIC ANGULAR FEATURE EXTRACTION MODEL FOR ARABIC HANDWRITTEN	PROCEEDINGS OF THE 2ND INTERNATIONAL CONFERENCE OF RELIABLE INFORMATION					2018		PROCEEDINGS			PROCEEDINGS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
	EN LITERAL AMOUNT RECOGNITION	ON AND COMMUNICATION TECHNOLOGY (IRICT 2017)										
64	An Energy-Efficient Mobile Sink-Based Unequal Clustering Mechanism for WSNs	Sensors (Switzerland)	14 24-82 20	17	8	-	2017	3.9	Article	wireless sensor networks	Q2	WOS/ SCOPUS
65	An improved hybrid of particle swarm optimization and the gravitational search algorithm to produce a kinetic parameter estimation of	BIOSYSTEMS	03 03-26 47	162		81 - 89	2017	1.6	Article	BIOLOGY	Q3	WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
	aspartate biochemical pathways											
66	Automated kinship verification and identification through human facial images: a survey	Multimedia Tools and Applications	1380-7501	76	1	265 - 307	2017	3.6	Article	COMPUTER SCIENCE, INFORMATION SYSTEMS	Q3	WOS/ SCOPUS
67	Intelligent learning model based on significant weight of domain knowledge concept for adaptive e-learning	International Journal on Advanced Science, Engineering and Information Technology		7	4-2 Special Issue	1486-1491	2017		Article			SCOPUS
68	Optimal number of nodes deployment method in	Journal of Telecommunication, Electronic and		9	2-Oct	125-129	2017		Article			SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
	corona-based WSN	Computer Engineering										
69	Oxygenation absorption and light scattering driven facial animation of natural virtual human	Multimedia Tools and Applications	1380-7501	76	7	9587-9623	2017	3.6	Article	COMPUTER SCIENCE, INFORMATION SYSTEMS	Q3	WOS/ SCOPUS
70	Pixel distribution-based features for offline Arabic Handwritten word recognition	International Journal of Computational Vision and Robotics		7	1-Feb	99-122	2017		Article			SCOPUS
71	Single class classifier using FMCD based non-metric distance for timber defect detection	International Journal of Advances in Soft Computing and its Applications		9	3	199-216	2017		Article			SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
72	Systematic feature analysis on timber defect images	International Journal of Advances in Intelligent Informatics		3	2	56-67	2017		Article			SCOPUS
73	UTM SPORTS APP MOBILE APPLICATION	UTM COMPUTING PROCEEDINGS: INNOVATIONS IN COMPUTING TECHNOLOGY AND APPLICATIONS					2017		PROCEEDINGS			PROCEEDINGS
74	2D image recognition of partially occluded objects based on adaptive window positioning and dynamic time warping	International Journal of Multimedia and Ubiquitous Engineering		11	7	169-180	2016		Article			SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
75	A robust video watermarking technique for the tamper detection of surveillance systems	Multimedia Tools and Applications	1380-7501	75	18	10855 - 10885	2016	3.6	Article	COMPUTER SCIENCE, INFORMATION SYSTEMS	Q3	WOS/ SCOPUS
76	Enhanced structural perceptual feature extraction model for Arabic literal amount recognition	International Journal of Intelligent Systems Technologies and Applications		15	3	240-254	2016		Article			SCOPUS
77	Handovers in small cell based heterogeneous networks	2016 INTERNATIONAL CONFERENCE ON COMPUTING, ELECTRONIC AND ELECTRICAL ENGINEERING				268-271	2016		Proceedings Paper	2016 INTERNATIONAL CONFERENCE ON COMPUTING, ELECTRONIC AND ELECTRICAL ENGINEERING (ICE CUBE)		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
		NG (ICE CUBE)										
78	Human action invariances for invariances using integration moment for human action recognition in video	Advances in Intelligent Systems and Computing		463		79-92	2016		Article	Advances in Intelligent Systems and Computing book series (AISC, volume 463)		SCOPUS
79	Performance evaluation of multivariate texture descriptor for classification of timber defect	OPTIK	0030-4026	127	15	6071-6080	2016	3.1	Article	OPTICS	Q2	WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
80	Visualization and centrality measurement of social network analysis	Jurnal Teknologi		78	8-Feb	65-74	2016		Article			SCOPUS
81	END REPORT : SMART NAVIGATION DESIGN FOR ELEARNING BIG DATA ANALYTICS						2016		CLASIFIED/TECHNICAL REPORT			
82	An Effective Hybrid of Bees Algorithm and Differential Evolution Algorithm in Data Clustering	Mathematical Problems in Engineering	1024-123X	2015		-	2015	1.43	Article	ENGINEERING, MULTIDISCIPLINARY	Q4	WOS/ SCOPUS
83	Automated vision inspection of timber surface defect: A review	Jurnal Teknologi		77	20	127-135	2015		Article			SCOPUS

NO	Article Title	Journal	ISS N	Vol	Issue	PA GE	Publica tion Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUAR TILE RANKI NG	WOS/ SCOPUS
84	Effectiveness of feature weight using BPSO in text-dependent writer identification	International Journal of Advances in Soft Computing and its Applications		7	2	27-37	2015		Article			SCOPUS
85	Image collection for non-segmenting approach of timber surface defect detection	International Journal of Advances in Soft Computing and its Applications		7	1	16-34	2015		Article			SCOPUS
86	Implementation of Switched Beam Smart Antenna Using Artificial Neural Network	WIRELESS PERSONAL COMMUNICATIONS	09 29-62 12	83	1	87-98	2015		Article	WIRELESS PERSONAL COMMUNICATIONS		WOS/ SCOPUS
87	Modified K-means Combined with Artificial Bee Colony Algorithm and	Advances in Intelligent Systems and Computing	21 94-53 57	331		221 - 231	2015		Proceedings Paper	4th INNS Symposia on Computational Intelligence in Information		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
	Differential Evolution for Color Image Segmentation									Systems (INNS-CIIS)		
88	Prediction of recombinant protein overexpression in Escherichia coli using a machine learning based model (RPLP)	COMPUTERS IN BIOLOGY AND MEDICINE	0010-4825	66		330-336	2015		Article	COMPUTERS IN BIOLOGY AND MEDICINE		WOS/ SCOPUS
89	Understanding the challenges towards implementation of the 5G wireless networks	2nd International Symposium on Technology Management and Emerging Technologies , ISTMET 2015 - Proceeding				223-226	2015		Proceedings Paper	2ND INTERNATIONAL SYMPOSIUM ISTMET 2015 TECHNOLOGY MANAGEMENT & EMERGING TECHNOLOGIES		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
90	A flexible method to estimate the software development effort based on the classification of projects and localization of comparisons	EMPIRICAL SOFTWARE ENGINEERING	1382-3256	19	4	857-884	2014	4.1	Article	EMPIRICAL SOFTWARE ENGINEERING		WOS/ SCOPUS
91	A group-specific tuning parameter for hybrid of SVM and SCAD in identification of informative genes and pathways	INTERNATIONAL JOURNAL OF DATA MINING AND BIOINFORMATICS	1748-5673	10	2	146-161	2014	0.3	Article	INTERNATIONAL JOURNAL OF DATA MINING AND BIOINFORMATICS		WOS/ SCOPUS
92	A neural network based approach for call admission control in heterogeneous networks	Life Science Journal		11	11	238-242	2014		Article			SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
93	A review of machine learning methods to predict the solubility of overexpressed recombinant proteins in Escherichia coli	BMC Bioinformatics	1471-2105	15	1	-	2014		Article	BMC BIOINFORMATICS		WOS/ SCOPUS
94	Cooperative avoidance control-based interval fuzzy kohonen networks algorithm in simple swarm robots	Telkomnika (Telecommunication Computing Electronics and Control)		12	4	795-810	2014		Article			SCOPUS
95	Data analysis by combining the modified k-means and imperialist competitive algorithm	Jurnal Teknologi		70	5	51-57	2014		Article			SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
97	Diabetic retinopathy lesion detection using region-based approach	2014 8th Malaysian Software Engineering Conference, MySEC 2014				306-310	2014		Article			SCOPUS
98	EcoliOverExpressionDB: A database of recombinant protein overexpression in E. coli	Protein Expression and Purification	1046-5928	95		92 - 95	2014	1.6	Article	BIOCHEMICAL RESEARCH METHODS	Q4	WOS/ SCOPUS
99	Erratum: Memetic multiobjective particle swarm optimization-based radial basis function network for classification problems (Information	Information Sciences		279		914-	2014		Article			SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
	Sciences (2013) 239 (165-190))											
100	Estimation of optimal machining control parameters using artificial bee colony	Journal of Intelligent Manufacturing	0956-5515	25	6	1463-1472	2014	8.3	Article	COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE	Q1	WOS/ SCOPUS
101	Exploring the open problems and future trends concerning handovers in heterogeneous wireless networks: A review	Jurnal Teknologi			3	13-17	2014		Article			SCOPUS
102	Face recognition via edge-based Gabor feature representation for plastic	Eurasip Journal on Advances in Signal Processing		2014	1	Jan-15	2014		Article			WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
	surgery-altered images											
103	Handwriting identification from the perspective of optimization model	2014 8th Malaysian Software Engineering Conference, MySEC 2014				311-315	2014		Article			SCOPUS
104	Improved k-means clustering with Harmonic-Bee algorithms	2014 4TH WORLD CONGRESS ON INFORMATION AND COMMUNICATION TECHNOLOGIES (WICT)				332-337	2014		Proceedings Paper	2014 4TH WORLD CONGRESS ON INFORMATION AND COMMUNICATION TECHNOLOGIES (WICT)		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
105	Memetic multiobjective particle swarm optimization-based radial basis function network for classification problems (vol 239, pg 165, 2013)	INFORM SCIENCES	0020-0255	279		914 - 914	2014	8.1	Correction	COMPUTER SCIENCE, INFORMATION SYSTEMS	Q1	WOS/ SCOPUS
106	Modeling of route planning system based on Q value-based dynamic programming with multi-agent reinforcement learning algorithms	Engineering Applications of Artificial Intelligence	0952-1976	29		163 - 177	2014	8	Article	AUTOMATION & CONTROL SYSTEMS	Q1	WOS/ SCOPUS
107	Modeling of TiN Coating Thickness Using RSM Approach	Key Engineering Materials	1013-9826	594 - 595		556 - +	2014	0.224	Proceedings Paper	MATERIALS SCIENCE, CERAMICS	Q3	WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
108	Neural Network Based Switch Beam Smart Antenna	2014 IEEE ASIA PACIFIC CONFERENCE ON WIRELESS AND MOBILE				292-296	2014		Proceedings Paper	2014 IEEE ASIA PACIFIC CONFERENCE ON WIRELESS AND MOBILE		WOS/ SCOPUS
109	Rotation invariant texture feature based on spatial dependence matrix for timber defect detection	International Conference on Intelligent Systems Design and Applications, ISDA	2164-7143			307-312	2014		Proceedings Paper	2013 13TH INTERNATIONAL CONFERENCE ON INTELLIGENT SYSTEMS DESIGN AND APPLICATIONS (ISDA)		WOS/ SCOPUS
110	Swarm robots control system based fuzzy-PSO	International Conference on Electrical Engineering, Computer Science and Informatics (EECSI)		1		72-75	2014		Article			SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
111	Vertical handover decision using history-based communication graph for heterogeneous networks	ICOS 2014 - 2014 IEEE Conference on Open Systems	2381-3474			7- Nov	2014		Proceedings Paper	2014 IEEE CONFERENCE ON OPEN SYSTEMS (ICOS)		WOS/ SCOPUS
112	DIABETIC RETINOPATHY LESION DETECTION USING REGION-BASED APPROACH	2014 8TH MALAYSIAN SOFTWARE ENGINEERING CONFERENCE (MYSEC)					2014		PROCEEDINGS			PROCEEDINGS
113	A PSO-based model to increase the accuracy of software development effort estimation	Software Quality Journal	0963-9314	21	3	501 - 526	2013	1.9	Article	COMPUTER SCIENCE, SOFTWARE ENGINEERING	Q4	WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
114	A review of CADs, languages and data models for synthetic biology	Jurnal Teknologi (Sciences and Engineering)		63	1	87-96	2013		Article			SCOPUS
115	Discrete Wavelet Transform Domain Techniques	Proceedings - 2013 International Conference on Informatics and Creative Multimedia, ICICM 2013				340 - 345	2013		Proceedings Paper	International Conference on Informatics and Creative Multimedia (ICICM)		WOS/ SCOPUS
116	Edge-based Representation and Recognition for Surgically Altered Face Images	2013 7TH INTERNATIONAL CONFERENCE ON SIGNAL PROCESSING AND COMMUNICATION SYSTEMS (ICSPCS)				-	2013		Proceedings Paper	2013 7TH INTERNATIONAL CONFERENCE ON SIGNAL PROCESSING AND COMMUNICATION SYSTEMS (ICSPCS)		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
117	Higher Order Geometrical Image Features Representation for Action Recognition	2013 International Conference on Soft Computing and Pattern Recognition, SoCPaR 2013				264 - 269	2013		Proceedings Paper	International Conference of Soft Computing and Pattern Recognition (SoCPaR)		WOS/ SCOPUS
118	Illumination Normalization for Edge-Based Face Recognition Using the Fusion of RGB Normalization and Gamma Correction	2013 IEEE INTERNATIONAL CONFERENCE ON SIGNAL AND IMAGE PROCESSING APPLICATIONS (IEEE ICSIPA 2013)				412-416	2013		Proceedings Paper	2013 IEEE INTERNATIONAL CONFERENCE ON SIGNAL AND IMAGE PROCESSING APPLICATIONS (IEEE ICSIPA 2013)		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
119	Improved SpikeProp for Using Particle Swarm Optimization	Mathematical Problems in Engineering	1024-123X	2013		-	2013	1.43	Article	ENGINEERING, MULTIDISCIPLINARY	Q4	WOS/ SCOPUS
121	Memetic multiobjective particle swarm optimization-based radial basis function network for classification problems	Information Sciences	0020-0255	239		165-190	2013	8.1	Article	COMPUTER SCIENCE, INFORMATION SYSTEMS	Q1	WOS/ SCOPUS
122	Modeling of ANFIS in predicting TiN coatings roughness	2013 5th International Conference on Computer Science and Information Technology, CSIT 2013 - Proceedings				13-18	2013		Proceedings Paper	2013 5TH INTERNATIONAL CONFERENCE ON COMPUTER SCIENCE AND INFORMATION TECHNOLOGY (CSIT)		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
123	Robust Local Triangular Kernel Density-based Clustering for High-dimensional Data	2013 5th International Conference on Computer Science and Information Technology, CSIT 2013 - Proceedings	2381-3458			24 - 32	2013		Proceedings Paper	5th International Conference on Computer Science and Information Technology (CSIT)		WOS/ SCOPUS
124	Route planning model of multi-agent system for a supply chain management	Expert Systems with Applications	0957-4174	40	5	1505 - 1518	2013	8.5	Article	COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE	Q1	WOS/ SCOPUS
125	Triangular kernel nearest-neighbor-based clustering algorithm for discovering true clusters	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence		7769		124-140	2013		Article			SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
		and Lecture Notes in Bioinformatics)										
127	A framework of multi-objective particle swarm optimization in motion segmentation problem	2012 2nd International Conference on Digital Information and Communication Technology and its Applications, DICTAP 2012				93-98	2012		Article			SCOPUS
128	A Hybrid of SVM and SCAD with Group-Specific Tuning Parameter for Pathway-Based Microarray Analysis	Advances in Intelligent and Soft Computing	1867-5662	151		387-+	2012		BOOK CHAPTER	9th International Symposium on Distributed Computing and Artificial Intelligence (DCAI 2012)		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
129	A New Hybrid Firefly Algorithm for Complex and Nonlinear Problem	Advances in Intelligent and Soft Computing	1867-5662	151		673-+	2012		BOOK CHAPTER	9th International Symposium on Distributed Computing and Artificial Intelligence (DCAI 2012)		WOS/ SCOPUS
130	A tuning parameter selector method for the gsvm-scad in determining significant genes and biological pathway	ICIC Express Letters		6	4	851-856	2012		Article			SCOPUS
131	Application of Fuzzy Rule-Based Model to Predict TiAlN Coatings Roughness	Applied Mechanics and Materials	1660-9336	110-116		1072-+	2012		BOOK CHAPTER	2nd International Conference on Mechanical and Aerospace Engineering (ICMAE 2011)		WOS/ SCOPUS

NO	Article Title	Journal	ISS N	Vol	Issue	PA GE	Publica tion Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUAR TILE RANKI NG	WOS/ SCOPUS
13 2	Artificial neural networks as multi-networks automated test oracle	Automated Software Engineering	09 28- 89 10	19	3	303 - 334	2012	3.4	Article	COMPUTER SCIENCE, SOFTWARE ENGINEERING	Q2	WOS/ SCOPUS
13 3	Comparison of Clinical and Textural Approach for Diabetic Retinopathy Grading	Proceedings - 2012 IEEE International Conference on Control System, Computing and Engineering, ICCSCE 2012				290 - 295	2012		Proceedings Paper	IEEE International Conference on Control System, Computing and Engineering (ICCSCE)		WOS/ SCOPUS
13 4	Cost benefits maximization using discount cost function for embedded system architecture optimization	International Journal of Software Engineering and its Applications		6	4	47- 68	2012		Article			SCOPUS

NO	Article Title	Journal	ISS N	Vol	Issue	PA GE	Publica tion Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUAR TILE RANKI NG	WOS/ SCOPUS
135	Detecting floods using an object based change detection approach	2012 International Conference on Computer and Communication Engineering, ICCCE 2012				44-50	2012		Article			SCOPUS
136	Detection of abnormal behaviors in crowd scene: A review	International Journal of Advances in Soft Computing and its Applications		4	2	-	2012		Article			SCOPUS
137	Evolutionary techniques in optimizing machining parameters: Review and recent applications (2007-2011)	Expert Systems with Applications	0957-4174	39	10	9909-9927	2012	8.5	Review	COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE	Q1	WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
138	Fuzzy rule-based model to estimate surface roughness and wear in hard coatings	PROCEEDINGS 2012 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC)	1062-922X			1076-1081	2012		Proceedings Paper	PROCEEDINGS 2012 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC)		WOS/ SCOPUS
139	Hybrid PCA-ILGC Clustering Approach for High Dimensional Data	Conference Proceedings - IEEE International Conference on Systems, Man and Cybernetics	1062-922X			420-424	2012		Proceedings Paper	IEEE International Conference on Systems, Man, and Cybernetics (SMC)		WOS/ SCOPUS
140	Hybrid PSO-black stork foraging for functional neural fuzzy network learning enhancement	Conference Proceedings - IEEE International Conference on Systems, Man and Cybernetics	1062-922X			1339-1344	2012		Proceedings Paper	PROCEEDINGS 2012 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC)		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
141	Increasing the accuracy of software development effort estimation using projects clustering	IET SOFTWARE	1751-8806	6	6	461-473	2012		Article	IET SOFTWARE		WOS/ SCOPUS
143	Metaheuristic search approach based on in-house/out-sourced strategy to solve redundancy allocation problem in component-based software systems	International Journal of Software Engineering and its Applications		6	4	143-154	2012		Article			WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
144	Overview of PSO for Optimizing Process Parameters of Machining	Procedia Engineering	1877-7058	29		914 - 923	2012		Proceedings Paper	International Workshop on Information and Electronics Engineering (IWIEE) / International Conference on Information, Computing and Telecommunications (ICICT)		WOS/ SCOPUS
145	Predictive Modeling of TIN Coating Roughness	Advanced Materials Research	1022-6680	626		219 - +	2012		Proceedings Paper	International Conference on Advanced Materials Engineering and Technology (ICAMET 2012)		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
146	Route Guidance System Based on Self-Adaptive Algorithm	Communications in Computer and Information Science	1865-0929	295		244 - 253	2012		Proceedings Paper	3rd Conference of Knowledge Technology Week (KTW 2011)		WOS/ SCOPUS
147	The Emerging Field of Synthetic Biology: a Review	ICIAS 2012 - 2012 4th International Conference on Intelligent and Advanced Systems: A Conference of World Engineering, Science and Technology Congress (ESTCON) - Conference Proceedings				160 - 164	2012		Proceedings Paper	4th International Conference on Intelligent and Advanced Systems (ICIAS) and A Conference of World Engineering, Science and Technology Congress (ESTCON)		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
148	The new multipoint relays selection in OLSR using particle swarm optimization	Telkomnika		10	2	343-352	2012		Article			WOS/ SCOPUS
151	Training feedforward neural networks using hybrid particle swarm optimization and gravitational search algorithm	Applied Mathematics and Computation	0096-3003	218	22	11125 - 11137	2012	4	Article	MATHEMATICS, APPLIED	Q1	WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
152	THE EMERGING FIELD OF SYNTHETIC BIOLOGY : A REVIEW	2012 4TH INTERNATIONAL CONFERENCE ON INTELLIGENT AND ADVANCED SYSTEMS (ICIAS 2012)					2012		CONFERENCE PAPER			CONFERENCE PAPER
153	FUZZY RULE BASED MODEL TO ESTIMATE SURFACE ROUGHNESS AND WEAR IN HARD COATINGS	PROCEEDINGS 2012 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN AND CYBERNETICS (SMC)					2012		PROCEEDINGS			PROCEEDINGS
154	CLASSIFYING SECURITY ALERTS FROM MULTIPLE SENSORS BASED ON	PROCEEDINGS OF INT. CONF. ON INFORMATICS AND APPLICATIONS					2012		CONFERENCE PAPER			CONFERENCE PAPER

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
	HYBRID APPROACH	NS (ICIA2012)										
155	A Fast Path Planning Algorithm for Route Guidance System	2011 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC)	1062-922X			2773-2778	2011		Proceedings Paper	2011 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC)		WOS/ SCOPUS
156	A hybrid method for increasing the accuracy of software development effort estimation	Scientific Research and Essays		6	30	6382-6392	2011		Article			SCOPUS
157	A new fuzzy clustering based method to increase the accuracy of	World Applied Sciences Journal		14	9	1265-1275	2011		Article			WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
	software development effort estimation											
159	An automated framework for software test oracle	INFORMATION AND SOFTWARE TECHNOLOGY	0950-5849	53	7	774-788	2011	3.9	Article	INFORMATION AND SOFTWARE TECHNOLOGY		WOS/ SCOPUS
160	An improved local best searching in particle swarm optimization using differential evolution	Proceedings of the 2011 11th International Conference on Hybrid Intelligent Systems, HIS 2011				115-120	2011		Article			SCOPUS
162	Application of ANFIS in predicting of TiAlN coatings hardness	Australian Journal of Basic and Applied Sciences		5	9	1647-1657	2011		Article			SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
163	Application of ANFIS in predicting TiAlN coatings flank wear	Proceedings - CIMSIm 2011: 3rd International Conference on Computational Intelligence, Modelling and Simulation				57-62	2011		Article			SCOPUS
165	Bacterial foraging optimization algorithm for neural network learning enhancement	Proceedings of the 2011 11th International Conference on Hybrid Intelligent Systems, HIS 2011				200-205	2011		Article			SCOPUS
166	Creating granular learning object towards reusability of Learning Object in e-	Proceedings of the 2011 International Conference on Electrical Engineering and				-	2011		Article			SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
	learning context	Informatics, ICEEI 2011										
167	Crowd Analysis and Its Applications	Communications in Computer and Information Science	1865-0929	179		687 - 697	2011		Proceedings Paper	2nd International Conference on Software Engineering and Computing Systems (ICSECS 2011)		WOS/ SCOPUS
169	Heuristic algorithm to generate modified freeman chain code from thinned binary image	Australian Journal of Basic and Applied Sciences		5	11	752-762	2011		Article			SCOPUS
170	Hybrid RSM-fuzzy modeling for hardness	International Conference on Intelligent Systems Design and				313-318	2011		Article			SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
	prediction of TiAlN coatings	Applications, ISDA										
171	Multi-agent reinforcement learning for route guidance system	International Journal of Advancements in Computing Technology		3	6	224-232	2011		Article			SCOPUS
172	Neural networks for accurate estimation of software metrics	International Journal of Advancements in Computing Technology		3	10	54-66	2011		Article			WOS/ SCOPUS
173	Route Guidance System Based on Self Adaptive Multiagent Algorithm	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in	0302-9743	6923		90 - 99	2011	0.302	Proceedings Paper	COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE	Q4	WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
		Bioinformatics)										
174	Route Guidance System Using Multi-agent Reinforcement Learning	2011 7th International Conference on Information Technology in Asia: Emerging Convergences and Singularity of Forms - Proceedings of CITA'11				-	2011		Proceedings Paper	7th International Conference on Information Technology in Asia (CITA)		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
175	Self-adaptive and multi-agent reinforcement learning in route guidance system	2011 5th Malaysian Conference in Software Engineering, MySEC 2011				383-387	2011		Article			SCOPUS
176	AN IMPROVED HYBRID OF SVM AND SCAD FOR PATHWAY ANALYSIS	BIOINFORMATION.					2011		JOURNAL ARTICLE NON CITATION-INDEXED			NON CITATION-INDEXED
177	HYBRID RSM FUZZY MODELING FOR HARDNESS PREDICTION OF TiAlN COATINGS	INTERNATIONAL CONFERENCE ON INTELLIGENT SYSTEMS DESIGN AND APPLICATIONS ISDA					2011		CONFERENCE PAPER			CONFERENCE PAPER

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
178	APPLICATION OF ANFIS IN PREDICTING TIAN COATINGS FLANK WEAR	PROCEEDING CISMSIM 2011: 3RD INTERNATIONAL CONFERENCE ON COMPUTATIONAL INTELLIGENCE, MODELING AND SIMULATION					2011		CONFERENCE PAPER			CONFERENCE PAPER
179	BIT-ERROR PERFORMANCE OF WAVELET-BASED MULTICARRIER TRANSMISSION IN RAYLEIGH MULTIPATH CHANNEL	THE 7TH JORDANIAN INTERNATIONAL ELECTRICAL & ELECTRONICS ENGINEERING CONFERENCE					2011		PROCEEDINGS			PROCEEDINGS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
180	BACTERIAL FORAGING OPTIZATION ALGORITHM FOR NEURAL NETWORK LEARNING ENHANCEMENT	PROCEEDING OF THE 2011 11TH INTERNATIONAL CONFERENCE ON HYBRID INTELLIGENT SYSTEMS, HIS 2011					2011		CONFERENCE PAPER			CONFERENCE PAPER
181	SELF ADAPTIVE AND MULTI AGENT REINFORCEMENT LEARNING IN ROUTE GUIDANCE SYSTEM	2011 5TH MALAYSIAN CONFERENCE IN SOFTWARE ENGINEERING MYSEC 2011					2011		CONFERENCE PAPER			CONFERENCE PAPER
182	A new hybrid PSO GSA algorithm for function optimization	Proceedings of ICCIA 2010 - 2010 International Conference on Computer and				374-377	2010		Article			SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
		Information Application										
183	A review of emotional learning and its utilization in control engineering	International Journal of Advances in Soft Computing and its Applications		2	2	191-208	2010		Article			SCOPUS
184	An active uplink photonic antenna	2010 IEEE Asia-Pacific Conference on Applied Electromagnetics, APACE 2010 - Proceedings				-	2010		Article			WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
185	Forecasting small data set using hybrid cooperative feature selection	UKSim2010 - UKSim 12th International Conference on Computer Modelling and Simulation				80 - 85	2010		Proceedings Paper	12th International Conference on Computer Modelling and Simulation (UKSim)		WOS/ SCOPUS
186	Fuzzy logic-based for predicting roughness performance of tialn coating	Proceedings of the 2010 10th International Conference on Intelligent Systems Design and Applications, ISDA'10				91-96	2010		Article			SCOPUS
187	GridMACS portal: A grid web portal for molecular dynamics simulation using GROMACS	AMS2010: Asia Modelling Symposium 2010 - 4th International Conference on Mathematical Modelling				507-512	2010		Article			SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
		and Computer Simulation										
188	Identification of significant phenotypes related genes and biological pathways using a hybrid of support vector machines and smoothly clipped absolute deviation	ICIC Express Letters, Part B: Applications		1	2	131-135	2010		Article			SCOPUS
189	Kernel Dimensionality Reduction evaluation on various dimensions of effective	10th International Conference on Information Sciences, Signal				790-793	2010		Article			SCOPUS

NO	Article Title	Journal	ISS N	Vol	Issue	PA GE	Publica tion Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUAR TILE RANKI NG	WOS/ SCOPUS
	subspaces for cancer patient survival analysis	Processing and their Applications, ISSPA 2010										
190	KNN-kernel based clustering for spatio-temporal database	International Conference on Computer and Communication Engineering, ICCCE'10				-	2010		Article			SCOPUS
191	NURBS curve approximation using Particle Swarm Optimization	Proceedings - 2010 7th International Conference on Computer Graphics, Imaging and Visualization, CGIV 2010				73-79	2010		Article			SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
192	Swarm-based feature selection for handwriting identification	Journal of Computer Science		6	1	80-86	2010		Article			SCOPUS
193	Time-scale domain characterization of nonstationary wideband vehicle-to-vehicle propagation channel	2010 IEEE Asia-Pacific Conference on Applied Electromagnetics, APACE 2010 - Proceedings				-	2010		Article			SCOPUS
194	Triangular kernel nearest neighbor based clustering for pattern extraction in spatio-temporal database	Proceedings of the 2010 10th International Conference on Intelligent Systems Design and Applications, ISDA'10				67-73	2010		Article			SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
195	INTEGRATION OF PCA AND LEVENBERG-MARQUARDT NEURAL NETWORK FOR OPTIMIZED ALERT CORRELATION	INTERNATIONAL CONFERENCE ON INTELLIGENT NETWORK AND COMPUTING (ICINC10)					2010		CONFERENCE PAPER			CONFERENCE PAPER
196	A Combination of PSO and Local Search in University Course Timetabling Problem	Proceedings - 2009 International Conference on Computer Engineering and Technology, ICCET 2009				492-495	2009		Proceedings Paper	2009 INTERNATIONAL CONFERENCE ON COMPUTER ENGINEERING AND TECHNOLOGY, VOL II, PROCEEDINGS		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
197	A Comparative Study on Automated Software Test Oracle Methods	2009 FOURTH INTERNATIONAL CONFERENCE ON SOFTWARE ENGINEERING ADVANCES (ICSEA 2009)				140-145	2009		Proceedings Paper	2009 FOURTH INTERNATIONAL CONFERENCE ON SOFTWARE ENGINEERING ADVANCES (ICSEA 2009)		WOS/ SCOPUS
198	A Metrics Suite for Measuring Reusability of Learning Objects	2009 9TH INTERNATIONAL CONFERENCE ON INTELLIGENT SYSTEMS DESIGN AND APPLICATIONS	2164-7143			961-+	2009		Proceedings Paper	2009 9TH INTERNATIONAL CONFERENCE ON INTELLIGENT SYSTEMS DESIGN AND APPLICATIONS		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
199	A Study of Network-based Approach for Cancer Classification	Proceedings - 2009 International Conference on Information Management and Engineering, ICIME 2009				505-509	2009		Proceedings Paper	2009 INTERNATIONAL CONFERENCE ON INFORMATION MANAGEMENT AND ENGINEERING, PROCEEDINGS		WOS/ SCOPUS
200	A Study on PSO-based University Course Timetabling Problem	Proceedings - International Conference on Advanced Computer Control, ICACC 2009				648-651	2009		Proceedings Paper	INTERNATIONAL CONFERENCE ON ADVANCED COMPUTER CONTROL : ICACC 2009 - PROCEEDINGS		WOS/ SCOPUS
201	An embedded interval type-2 neuro-fuzzy controller for mobile robot navigation	Conference Proceedings - IEEE International Conference on Systems, Man and Cybernetics				4315-4321	2009		Proceedings Paper	2009 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN AND CYBERNETICS (SMC 2009), VOLS 1-9		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
202	Environmental Recognition Using RAM-Network based Type-2 Fuzzy Neural for Navigation of Mobile Robot	Proceedings - 2009 International Conference on Computer and Automation Engineering, ICCAE 2009				296 - 301	2009		Proceedings Paper	International Conference on Computer and Automation Engineering		WOS/ SCOPUS
203	Fitting Membership Function with PSO Inertia Weight for Truck Backer-Upper Problem	Proceedings - 2009 3rd Asia International Conference on Modelling and Simulation, AMS 2009				25 - 28	2009		Proceedings Paper	3rd Asia International Conference on Modelling and Simulation		WOS/ SCOPUS
204	Freeman Chain Code Extraction using Differential Evolution (DE) and Particle Swarm Optimization (PSO)	2009 INTERNATIONAL CONFERENCE OF SOFT COMPUTING AND PATTERN RECOGNITION				77-81	2009		Proceedings Paper	2009 INTERNATIONAL CONFERENCE OF SOFT COMPUTING AND PATTERN RECOGNITION		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
205	Graph Partitioning Method for Functional Module Detections of Protein Interaction Network	ICCTD 2009 - 2009 International Conference on Computer Technology and Development				230 - 234	2009		Proceedings Paper	PROCEEDINGS OF THE 2009 INTERNATIONAL CONFERENCE ON COMPUTER TECHNOLOGY AND DEVELOPMENT, VOL 1		WOS/ SCOPUS
206	Handwriting Identification: A direction review	ICSIPA09 - 2009 IEEE International Conference on Signal and Image Processing Applications, Conference Proceedings				459-463	2009		Article			SCOPUS
207	Intelligent alert clustering model for network intrusion analysis	International Journal of Advances in Soft Computing and its Applications		1	1	33-48	2009		Article			WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
208	Intelligent Clustering with PCA and Unsupervised Learning Algorithm in Intrusion Alert Correlation	FIFTH INTERNATIONAL CONFERENCE ON INFORMATION ASSURANCE AND SECURITY, VOL 1, PROCEEDINGS				679-682	2009		Proceedings Paper	FIFTH INTERNATIONAL CONFERENCE ON INFORMATION ASSURANCE AND SECURITY, VOL 1, PROCEEDINGS		WOS/ SCOPUS
209	Investigating Constraint-Based Reasoning for University Timetabling Problem	LECT NOTES ENG COMP	2078-0958			139-143	2009		Proceedings Paper	International Multi-Conference of Engineers and Computer Scientists		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
210	Logical heuristic algorithm in extracting 2D structure thinned binary image into Freeman chain code (FCC)	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	0302-9743	5857	LNCS	770-778	2009		Proceedings Paper	VISUAL INFORMATICS: BRIDGING RESEARCH AND PRACTICE		WOS/ SCOPUS
211	Modular weightless neural network architecture for intelligent navigation	International Journal of Advances in Soft Computing and its Applications		1	1	Jan-18	2009		Article			WOS/ SCOPUS
212	Motion Planning in Unknown Environment using an Interval Fuzzy type-2 and	2009 IEEE International Conference on Computational Intelligence for				50 - +	2009		Proceedings Paper	IEEE International Conference on Computational Intelligence for Measurement		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
	Neural Network Classifier	Measurement Systems and Applications, CIMSA 2009								Systems and Applications		
213	Network Intrusion Alert Aggregation Based on PCA and Expectation Maximization Clustering Algorithm	PROCEEDINGS OF 2009 INTERNATIONAL CONFERENCE ON COMPUTER ENGINEERING AND APPLICATIONS				450-454	2009		Proceedings Paper	PROCEEDINGS OF 2009 INTERNATIONAL CONFERENCE ON COMPUTER ENGINEERING AND APPLICATIONS		WOS/ SCOPUS
214	Pathway-based microarray analysis for defining statistical significant phenotype-related pathways: A review of common approaches	Proceedings - 2009 International Conference on Information Management and Engineering, ICIME 2009				496-500	2009		Proceedings Paper	2009 INTERNATIONAL CONFERENCE ON INFORMATION MANAGEMENT AND ENGINEERING, PROCEEDINGS		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
215	University course timetable planning using hybrid particle swarm optimization	2009 World Summit on Genetic and Evolutionary Computation, 2009 GEC Summit - Proceedings of the 1st ACM/SIGEV O Summit on Genetic and Evolutionary Computation, GEC'09				239-245	2009		Proceedings Paper	WORLD SUMMIT ON GENETIC AND EVOLUTIONARY COMPUTATION (GEC 09)		WOS/ SCOPUS
216	Using fuzzy analytic hierarchy process for Southern Johor River ranking	International Journal of Advances in Soft Computing and its Applications		1	1	63-77	2009		Article			SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
217	A HYBRID INTELLIGENT APPROACH FOR AUTOMATED ALERT CLUSTERING AND FILTERING IN INTRUSION ALERT ANALYSIS	INT. JOURNAL OF COMPUTER THEORY AND ENGINEERING (IJCTE)					2009		JOURNAL ARTICLE NON CITATION-INDEXED			NON CITATION-INDEXED
219	A model for gene selection and classification of gene expression data	Proceedings of the 13th International Symposium on Artificial Life and Robotics, AROB 13th'08				320-323	2008		Article			SCOPUS
220	A review on the component evaluation approaches to support software reuse	Proceedings - International Symposium on Information Technology 2008, ITSIm		3		2760+	2008		Proceedings Paper	INTERNATIONAL SYMPOSIUM OF INFORMATION TECHNOLOGY 2008, VOLS 1-4, PROCEEDINGS:		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
										COGNITIVE INFORMATICS: BRIDGING NATURAL AND ARTIFICIAL KNOWLEDGE		
22 1	An embedded fuzzy type-2 controller based sensor behavior for mobile robot	Proceedings - 8th International Conference on Intelligent Systems Design and Applications, ISDA 2008		2		29-34	2008		Proceedings Paper	ISDA 2008: EIGHTH INTERNATIONAL CONFERENCE ON INTELLIGENT SYSTEMS DESIGN AND APPLICATIONS, VOL 2, PROCEEDINGS		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
222	Application of grey relational analysis for multivariate time series	Proceedings - 8th International Conference on Intelligent Systems Design and Applications, ISDA 2008				432 - 437	2008		Proceedings Paper	8th International Conference on Intelligent Systems Design and Applications (ISDA 2008)		WOS/ SCOPUS
223	Comparative analysis on adaptive features for RFID middleware	Proceedings of the International Conference on Computer and Communication Engineering 2008, ICCCE08: Global Links for Human Development				989 - +	2008		Proceedings Paper	International Conference on Computer and Communication Engineering		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
224	Genetic Algorithm Optimization and Control System Design of Flexible Structures	Journal of Intelligent Systems		17	Supplement	133-168	2008		Article			SCOPUS
225	Hybridization model of linear and nonlinear time series data for forecasting	Proceedings - 2nd Asia International Conference on Modelling and Simulation, AMS 2008				597-602	2008		Article			WOS/ SCOPUS
226	Multi readers detection in adaptive RFID middleware	Proc. 9th ACIS Int. Conf. Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing				858-+	2008		Proceedings Paper	9th International Conference on Software Engineering Artificial Intelligence, Networking and Parallel/Distributed Computing		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
		buted Computing, SNPD 2008 and 2nd Int. Workshop on Advanced Internet Technology and Applications										
227	A Review on Data Preparation in Insurance Industry	16th Symposium National of Mathematics & Science 2008					2008		CONFERENCE PAPER			CONFERENCE PAPER

NO	Article Title	Journal	ISS N	Vol	Issue	PA GE	Publica tion Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUAR TILE RANKI NG	WOS/ SCOPUS
228	Forecasting time series data using hybrid grey relational artificial neural network and auto regressive integrated moving average model	Neural Network World	1210-0552	17	6	573 - 605	2007	0.8	Article	COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE	Q4	WOS/ SCOPUS
229	Interactive learning framework for dynamic simulation and control of a two dimensional flexible plate structure	2007 International Conference on Intelligent and Advanced Systems, ICIAS 2007				533-538	2007		Proceedings Paper	ICIAS 2007: INTERNATIONAL CONFERENCE ON INTELLIGENT & ADVANCED SYSTEMS, VOLS 1-3, PROCEEDINGS		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
230	Selecting informative genes from leukemia gene expression data using a hybrid approach for cancer classification	IFMBE Proceedings	1680-0737	15		528-	2007		Proceedings Paper	3rd Kuala Lumpur International Conference on Biomedical Engineering 2006 (BioMed 2006)		WOS/ SCOPUS
231	Iterative Local Gaussian Clustering for Expressed Genes Identification Linked To Malignancy Of Human Colarectal Carcinoma	Bioinformatics					2007		JOURNAL ARTICLE NON CITATION-INDEXED			NON CITATION-INDEXED
232	Empirical Study of Sigmoid Increasing Inertia Weight in Particle	Proceedings of the International Conference on Robotics, Vision, Information					2007		CONFERENCE PAPER			CONFERENCE PAPER

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
	Swarm Optimization	and Signal Processing (ROVISP 2007)										
233	PPSelf Healing System: A Fundamental Review	Postgraduate Annual Research Seminar (PARS 07).					2007		CONFERENCE PAPER			CONFERENCE PAPER
234	Interactive Learning Framework for Dynamic Modeling and Control of a Flexible Beam Structure	3rd Regional Conference on Engineering Education					2007		CONFERENCE PAPER			CONFERENCE PAPER
235	Active vibration control of flexible structures using genetic optimisation	Journal of Low Frequency Noise Vibration and Active Control	0263-0923	25	3	195-207	2006		Article	JOURNAL OF LOW FREQUENCY NOISE VIBRATION AND ACTIVE CONTROL		WOS/ SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
236	ANFIS active vibration control of flexible beam structures	Proceedings of the 7th Biennial Conference on Engineering Systems Design and Analysis, ESDA 2004		1		747-752	2004		Article			SCOPUS
237	Modelling and control of a flexible structure using adaptive neuro-fuzzy inference system algorithm	Proceedings of the IEEE International Conference on Mechatronics 2004, ICM'04				159-164	2004		Proceedings Paper	ICM '04: PROCEEDINGS OF THE IEEE INTERNATIONAL CONFERENCE ON MECHATRONICS 2004		WOS/ SCOPUS
238	Neuro-adaptive vibration suppression of flexible beam structures	Proceedings of the IASTED International Conference on Modelling, Identification and Control		23		467-472	2004		Article			SCOPUS

NO	Article Title	Journal	ISSN	Vol	Issue	PAGE	Publication Year	IF	TYPE OF PUBLICATION	CATEGORY OF PUBLICATION	QUARTILE RANKING	WOS/ SCOPUS
239	Nonlinear dynamic modelling of flexible beam structures using neural networks	Proceedings of the IEEE International Conference on Mechatronics 2004, ICM'04				171-175	2004		Proceedings Paper	ICM '04: PROCEEDINGS OF THE IEEE INTERNATIONAL CONFERENCE ON MECHATRONICS 2004		WOS/ SCOPUS
240	Non-linear system identification of flexible plate structures using neural networks	Proceedings of the 7th Biennial Conference on Engineering Systems Design and Analysis, ESDA 2004		1		739-745	2004		Article			SCOPUS

NO.	TYPE a. INDEXED PROCEEDINGS/CONFERENCE b. NON- INDEXED PROCEEDINGS/CONFERENCE c. SEMINARS/WORKSHOPS d. THESIS e. ORIGINAL BOOK f. EDITED BOOK g. BOOK CHAPTER h. CLASSIFIED/TECHNICAL/ i. EXPERT REPORT j. POLICY PAPER	TITLE	YEAR	AUTHOR
1	Book Chapter	XXX	2020	XXX

Type	Article Name	Year	Author
INDEXED PROCEEDINGS/CONFERENCE	CLASSIFICATION OF ATYPICAL WHITE BLOOD CELLS IN ACUTE MYELOID LEUKEMIA USING A TWO-STAGE HYBRID MODEL BASED ON DEEP CONVOLUTIONAL AUTOENCODER AND DEEP CONVOLUTIONAL NEURAL NETWORK	2023	Elhassan, T.A., Mohd Rahim, M.S., Siti Zaiton, M.H., ...Ali, A., Aljurf, M.
INDEXED PROCEEDINGS/CONFERENCE	FEATURE EXTRACTION OF WHITE BLOOD CELLS USING CMYK-MOMENT LOCALIZATION AND DEEP LEARNING IN ACUTE MYELOID LEUKEMIA BLOOD SMEAR MICROSCOPIC IMAGES	2022	Elhassan, T.A.M., Rahim, M.S.M., Swee, T.T., Hashim, S.Z.M., Aljurf, M.
INDEXED PROCEEDINGS/CONFERENCE	SIAMESE CONVOLUTIONAL NEURAL NETWORK AND FUSION OF THE BEST OVERLAPPING BLOCKS FOR KINSHIP VERIFICATION	2022	Almuashi M., Hashim S.Z.M., Yusoff N., Syazwan K.N., Ghabban F.
INDEXED PROCEEDINGS/CONFERENCE	SECTOR SCANNING ALGORITHM (SSA) FOR DEVICE DISCOVERY IN D2D COMMUNICATION	2021	Hayat, O., Ngah, R., Mohd Hashim, S.Z.
INDEXED PROCEEDINGS/CONFERENCE	FEATURE ENGINEERING FOR PREDICTING MOOC PERFORMANCE	2020	Mohamad, N., Ahmad, N.B., Jawawi, D.N.A., Hashim, S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	A NEW ALGORITHM-BASED ROUGH SET FOR SELECTING CLUSTERING ATTRIBUTE IN CATEGORICAL DATA	2020	Baroud, M.M.J., Hashim, S.Z.M., Zainal, A., Ahnad, J.

Type	Article Name	Year	Author
INDEXED PROCEEDINGS/CONFERENCE	NATURE-INSPIRED OPTIMIZATION ALGORITHMS FOR COMMUNITY DETECTION IN COMPLEX NETWORKS: A REVIEW AND FUTURE TRENDS	2020	Abduljabbar D.A., Hashim S.Z.M., Sallehuddin R.
INDEXED PROCEEDINGS/CONFERENCE	AN ENHANCED EVOLUTIONARY ALGORITHM FOR DETECTING COMPLEXES IN PROTEIN INTERACTION NETWORKS WITH HEURISTIC BIOLOGICAL OPERATOR	2020	Abduljabbar, D.A., Hashim, S.Z.M., Sallehuddin, R.
INDEXED PROCEEDINGS/CONFERENCE	BAT ECHOLOCATION-BASED ALGORITHM FOR DEVICE DISCOVERY IN D2D COMMUNICATION	2020	Hayat, O., Ngah, R., Mohd Hashim, S.Z.
INDEXED PROCEEDINGS/CONFERENCE	A SURVEY ON SECURITY AND PRIVACY CHALLENGES IN DEVICE DISCOVERY FOR NEXT-GENERATION SYSTEMS	2020	Hayat, O., Ngah, R., Kaleem, Z., Hashim, S.Z.M., Rodrigues, J.J.P.C.
INDEXED PROCEEDINGS/CONFERENCE	PERFORMANCE ANALYSIS OF DEVICE DISCOVERY ALGORITHMS FOR D2D COMMUNICATION	2020	Hayat, O., Ngah, R., Mohd Hashim, S.Z.
INDEXED PROCEEDINGS/CONFERENCE	AN IMPROVED MULTI OBJECTIVE EVOLUTIONARY ALGORITHM FOR DETECTING COMMUNITIES IN COMPLEX NETWORK WITH GRAPHLET MEASURE	2020	Abduljabbar, D.A., Hashim, S.Z.M., Sallehuddin, R.
INDEXED PROCEEDINGS/CONFERENCE	INTER- AND INTRA-CLUSTER MOVEMENT OF MOBILE SINK ALGORITHMS FOR CLUSTER-BASED NETWORKS TO ENHANCE THE NETWORK LIFETIME	2019	Gharaei, N., Abu Bakar, K., Hashim, S.Z.M., Pourasl, A.H.
INDEXED PROCEEDINGS/CONFERENCE	REDUCTION IN PING-PONG EFFECT IN HETEROGENEOUS NETWORKS USING FUZZY LOGIC	2019	Naeem, B., Ngah, R., Hashim, S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	AN ENHANCED EVOLUTIONARY ALGORITHM WITH LOCAL HEURISTIC APPROACH FOR DETECTING COMMUNITY IN COMPLEX NETWORK	2019	Abduljabbar, D.A., Hashim, S.Z.M., Sallehuddin, R.
INDEXED PROCEEDINGS/CONFERENCE	ENERGY-EFFICIENT MOBILE-SINK SOJOURN LOCATION OPTIMIZATION SCHEME FOR CONSUMER HOME NETWORKS	2019	Gharaei, N., Malebary, S.J., Abu Bakar, K., Mohd Hashim, S.Z., Ashfaq Butt, S., Sahar, G.
INDEXED PROCEEDINGS/CONFERENCE	ENERGY-EFFICIENT INTRA-CLUSTER ROUTING ALGORITHM TO ENHANCE THE COVERAGE TIME OF WIRELESS SENSOR NETWORKS	2019	Gharaei, N., Malebary, S.J., Abu Bakar, K., Mohd

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			Hashim, S.Z., Ashfaq Butt, S., Sahar, G.
INDEXED PROCEEDINGS/CONFERENCE	UTILIZING HYBRID FUNCTIONAL FUZZY WAVELET NEURAL NETWORKS WITH A TEACHING LEARNING-BASED OPTIMIZATION ALGORITHM FOR MEDICAL DISEASE DIAGNOSIS	2019	Gharaei, N., Malebary, S.J., Abu Bakar, K., Mohd Hashim, S.Z., Ashfaq Butt, S., Sahar, G.
INDEXED PROCEEDINGS/CONFERENCE	AN EFFICIENT ROBUST HYPER-HEURISTIC ALGORITHM TO CLUSTERING PROBLEM	2019	Bonab, M.B., Tay, Y.H., Mohd Hashim, S.Z., Soon, K.T.
INDEXED PROCEEDINGS/CONFERENCE	DEVICE DISCOVERY IN D2D COMMUNICATION: A SURVEY	2019	Hayat, O., Ngah, R., Mohd Hashim, S.Z., Dahri, M.H., Firsandaya Malik, R., Rahayu, Y.
INDEXED PROCEEDINGS/CONFERENCE	EXTRACTION AND EXPLORATORY ANALYSIS OF TEXTURE FEATURES ON IMAGES OF TIMBER DEFECT	2018	Hashim, U.R., Hashim, S.Z.M., Muda, A.K., ...Jalil, I.E.A., Othman, M.H.
INDEXED PROCEEDINGS/CONFERENCE	COLLABORATIVE MOBILE SINK SOJOURN TIME OPTIMIZATION SCHEME FOR CLUSTER-BASED WIRELESS SENSOR NETWORKS	2018	Gharaei, N., Bakar, K.A., Hashim, S.Z.M., Pourasl, A.H., Butt, S.A.
INDEXED PROCEEDINGS/CONFERENCE	SWARM OPTIMIZATION BASED RADIO RESOURCE ALLOCATION FOR DENSE DEVICES D2D COMMUNICATION	2018	Hayat, O., Ngah, R., Hashim, S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	WHITE MATTER LESION INTENSITY STANDARDIZATION USING ADAPTIVE LANDMARK BASED BRAIN TISSUE ANALYSIS ON FLAIR MR IMAGE	2018	Ong, K.H., Shamsuddin, S.M., Mohd Hashim, S.Z., Sulaiman, S., Mohd Zain, N.R., Hang, S.P.
INDEXED PROCEEDINGS/CONFERENCE	AUTOMATED KINSHIP VERIFICATION AND IDENTIFICATION THROUGH HUMAN FACIAL IMAGES: A SURVEY	2017	Almuashi, M., Mohd Hashim, S.Z., Mohamad, D., Alkawaz, M.H., Ali, A.
INDEXED PROCEEDINGS/CONFERENCE	INTELLIGENT LEARNING MODEL BASED ON SIGNIFICANT WEIGHT OF DOMAIN KNOWLEDGE CONCEPT FOR ADAPTIVE E-LEARNING	2017	Idris, N., Hashim, S.Z.M., Samsudin, R., Ahmad, N.B.H.

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INDEXED PROCEEDINGS/CONFERENCE	OXYGENATION ABSORPTION AND LIGHT SCATTERING DRIVEN FACIAL ANIMATION OF NATURAL VIRTUAL HUMAN	2017	Alkawaz, M.H., Basori, A.H., Mohd Hashim, S.Z.
INDEXED PROCEEDINGS/CONFERENCE	OPTIMAL NUMBER OF NODES DEPLOYMENT METHOD IN CORONA-BASED WSN	2017	Gharaei, N., Bakar, K.A., Hashim, S.Z.M., Mohamed, M.H., Rahman, S.O.A., Pourasl, A.H.
INDEXED PROCEEDINGS/CONFERENCE	AN ENERGY-EFFICIENT MOBILE SINK-BASED UNEQUAL CLUSTERING MECHANISM FOR WSNS	2017	Gharaei, N., Bakar, K.A., Hashim, S.Z.M., ...Siraj, M., Darwish, T.
INDEXED PROCEEDINGS/CONFERENCE	VISUALIZATION AND CENTRALITY MEASUREMENT OF SOCIAL NETWORK ANALYSIS	2016	Rahim, N.A.A., Sulaiman, S., Hashim, S.Z.M., Ahmad, N.B.
INDEXED PROCEEDINGS/CONFERENCE	A ROBUST VIDEO WATERMARKING TECHNIQUE FOR THE TAMPER DETECTION OF SURVEILLANCE SYSTEMS	2016	Arab, F., Abdullah, S.M., Hashim, S.Z.M., Manaf, A.A., Zamani, M.
INDEXED PROCEEDINGS/CONFERENCE	HUMAN ACTION INVARIANCENESS FOR INVARIANCENESS USING INTEGRATION MOMENT FOR HUMAN ACTION RECOGNITION IN VIDEO	2016	Sjarif, N.N.A., Shamsuddin, S.M., Hashim, S.Z.M., Ali, A., Zainudin, Z.
INDEXED PROCEEDINGS/CONFERENCE	ENHANCED STRUCTURAL PERCEPTUAL FEATURE EXTRACTION MODEL FOR ARABIC LITERAL AMOUNT RECOGNITION	2016	Al-Nuzaili, Q., Hashim, S.Z.Mohd., Saeed, F., Khalil, M.S., Mohamad, D.B.
INDEXED PROCEEDINGS/CONFERENCE	2D IMAGE RECOGNITION OF PARTIALLY OCCLUDED OBJECTS BASED ON ADAPTIVE WINDOW POSITIONING AND DYNAMIC TIME WARPING	2016	Almuashi, M., Hashim, S.Z.M., Mohamad, D., Alkawaz, M.H.
INDEXED PROCEEDINGS/CONFERENCE	PERFORMANCE EVALUATION OF MULTIVARIATE TEXTURE DESCRIPTOR FOR CLASSIFICATION OF TIMBER DEFECT	2016	Hashim, U.R., Hashim, S.Z.M., Muda, A.K.
INDEXED PROCEEDINGS/CONFERENCE	HANDOVERS IN SMALL CELL BASED HETEROGENEOUS NETWORKS	2016	Naeem, B., Ngah, R., Hashim, S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	VERTICAL HANDOVER DECISION USING HISTORY-BASED COMMUNICATION GRAPH FOR HETEROGENEOUS NETWORKS	2015	Naeem, B., Ngah, R., Hashim, S.Z.M., Maqbool, W.

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INDEXED PROCEEDINGS/CONFERENCE	EFFECTIVENESS OF FEATURE WEIGHT USING BPSO IN TEXT DEPENDENT WRITER IDENTIFICATION	2015	Abdl, K.M.B., Hashim, S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	AN EFFECTIVE HYBRID OF BEES ALGORITHM AND DIFFERENTIAL EVOLUTION ALGORITHM IN DATA CLUSTERING	2015	Babrdel Bonab, M., Mohd Hashim, S.Z., Bazin, N.E.N., Alsaedi, A.K.Z.
INDEXED PROCEEDINGS/CONFERENCE	PREDICTION OF RECOMBINANT PROTEIN OVEREXPRESSION IN ESCHERICHIA COLI USING A MACHINE LEARNING BASED MODEL (RPOLP)	2015	Habibi, N., Mohd Hashim, S.Z., Norouzi, A., Shamsir, M.S., Samian, R.
INDEXED PROCEEDINGS/CONFERENCE	IMPLEMENTATION OF SWITCHED BEAM SMART ANTENNA USING ARTIFICIAL NEURAL NETWORK	2015	Orakwue, S.I., Ngah, R., Rahman, T.A., Hashim, S.Z.M., Al-Khafaji, H.M.R.
INDEXED PROCEEDINGS/CONFERENCE	UNDERSTANDING THE CHALLENGES TOWARDS IMPLEMENTATION OF THE 5G WIRELESS NETWORK	2015	Naeem, B., Ngah, R., Mohd Hashim, S.Z.
INDEXED PROCEEDINGS/CONFERENCE	PIXEL DISTRIBUTION-BASED FEATURES FOR OFFLINE ARABIC HANDWRITTEN WORD RECOGNITION	2015	Al-Nuzaili, Q.A., Hashim, S.Z.M., Saeed, F., Khalil, M.S., Mohamad, D.B.
INDEXED PROCEEDINGS/CONFERENCE	MODELLING OF TIN COATING THICKNESS USING RSM APPROACH	2014	Jaya, A.S.M., Hashim, S.Z.M., Haron, H., ...Basari, A.S.H., Rahman, Md.N.Abd.
INDEXED PROCEEDINGS/CONFERENCE	COOPERATIVE AVOIDANCE CONTROL BASED INTERVAL FUZZY KOHONEN NETWORKS ALGORITHM IN SIMPLE SWARM ROBOTS	2014	Nurmaini, S., Zaiton, S., Firnando, R.
INDEXED PROCEEDINGS/CONFERENCE	DATA ANALYSIS BY COMBINING THE MODIFIED K-MEANS AND IMPERIALIST COMPETITIVE ALGORITHM	2014	Babrdelbonab, M., Mohd Hashim, S.Z., Nazira Bazin, N.E.
INDEXED PROCEEDINGS/CONFERENCE	A FLEXIBLE METHOD TO ESTIMATE THE SOFTWARE DEVELOPMENT EFFORT BASED ON THE CLASSIFICATION OF PROJECTS AND LOCALIZATION OF COMPARISONS	2014	Khatibi Bardsiri, V., Jawawi, D.N.A., Hashim, S.Z.M., Khatibi, E.
INDEXED PROCEEDINGS/CONFERENCE	ECOLIOVEREXPRESSIONDB: A DATABASE OF RECOMBINANT PROTEIN OVEREXPRESSION IN E. COLI	2014	Habibi, N., Samian, M.R., Hashim, S.Z.M., Norouzi, A.

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INDEXED PROCEEDINGS/CONFERENCE	EXPLORING THE OPEN PROBLEMS AND FUTURE TRENDS CONCERNING HANDOVERS IN HETEROGENEOUS WIRELESS NETWORKS: A REVIEW	2014	Naeem, B., Chude-Okonkwo, U.A.K., Ngah, R., Hashim, S.Z.M., Maqboo, W., Hashim, S.
INDEXED PROCEEDINGS/CONFERENCE	ESTIMATION OF OPTIMAL MACHINING CONTROL PARAMETERS USING ARTIFICIAL BEE COLONY	2014	Yusup, N., Sarkheyli, A., Zain, A.M., Hashim, S.Z.M., Ithnin, N.
INDEXED PROCEEDINGS/CONFERENCE	ROTATION INVARIANT TEXTURE FEATURE BASED ON SPATIAL DEPENDENCE MATRIX FOR TIMBER DEFECT DETECTION	2014	Hashim, U.R., Muda, A.K., Hashim, S.Z., Bonab, M.B.
INDEXED PROCEEDINGS/CONFERENCE	A NEURAL NETWORK BASED APPROACH FOR CALL ADMISSION CONTROL IN HETEROGENEOUS NETWORKS	2014	Naeem, B., Ngah, R., Hashim, S.Z.M., Maqbool, W., Ali, M.B.
INDEXED PROCEEDINGS/CONFERENCE	MODELING OF ROUTE PLANNING SYSTEM BASED ON Q VALUE-BASED DYNAMIC PROGRAMMING WITH MULTI-AGENT REINFORCEMENT LEARNING ALGORITHMS	2014	Zolfpour-Arokhlo, M., Selamat, A., Mohd Hashim, S.Z., Afkhami, H.
INDEXED PROCEEDINGS/CONFERENCE	FACE RECOGNITION VIA EDGE-BASED GABOR FEATURE REPRESENTATION FOR PLASTIC SURGERY-ALTERED IMAGES	2014	Chude-Olisah, C.C., Sulong, G., Chude-Okonkwo, U.A.K., Hashim, S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	A REVIEW OF MACHINE LEARNING METHODS TO PREDICT THE SOLUBILITY OF OVEREXPRESSED RECOMBINANT PROTEINS IN ESCHERICHIA COLI	2014	Habibi, N., Mohd Hashim, S.Z., Norouzi, A., Samian, M.R.
INDEXED PROCEEDINGS/CONFERENCE	A GROUP-SPECIFIC TUNING PARAMETER FOR HYBRID OF SVM AND SCAD IN IDENTIFICATION OF INFORMATIVE GENES AND PATHWAYS.	2014	Misman, M.F., Mohamad, M.S., Deris, S., Mohd. Hashim, S.Z.
INDEXED PROCEEDINGS/CONFERENCE	NEURAL NETWORK BASED SWITCH BEAM SMART ANTENNA	2014	Orakwue, S.I., Ngah, R., Rahman, T.A., Mohd Hashim, S.Z.
INDEXED PROCEEDINGS/CONFERENCE	ERRATUM: MEMETIC MULTI-OBJECTIVE PARTICLE SWARM OPTIMIZATION-BASED RADIAL BASIS FUNCTION NETWORK FOR CLASSIFICATION PROBLEMS (INFORMATION SCIENCES (2013) 239 (165-190))	2014	Qasem, S.N., Shamsuddin, S.M., Hashim, S.Z.M., Darus, M., Al-Shammari, E.

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INDEXED PROCEEDINGS/CONFERENCE	ROBUST LOCAL TRIANGULAR KERNEL DENSITY-BASED CLUSTERING FOR HIGH-DIMENSIONAL DATA	2013	Musdholifah, A., Hashim, S.Z.M., Ngah, R.
INDEXED PROCEEDINGS/CONFERENCE	PREDICTIVE MODELING OF TIN COATING ROUGHNESS	2013	Jaya, A.S.M., Hashim, S.Z.M., Haron, H., Muhamad, M.R., Rahman, M.N.A., Basari, A.S.H.
INDEXED PROCEEDINGS/CONFERENCE	IMPROVED SPIKEPROP FOR USING PARTICLE SWARM OPTIMIZATION	2013	Ahmed, F.Y.H., Shamsuddin, S.M., Hashim, S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	A REVIEW OF CADS, LANGUAGES AND DATA MODELS FOR SYNTHETIC BIOLOGY	2013	Habibi, N., Mohd Hashim, S.Z., Rodriguez, C.A., Razip Samian, M.
INDEXED PROCEEDINGS/CONFERENCE	TRIANGULAR KERNEL NEAREST-NEIGHBOR-BASED CLUSTERING ALGORITHM FOR DISCOVERING TRUE CLUSTERS	2013	Musdholifah, A., Hashim, S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	ROUTE PLANNING MODEL OF MULTI-AGENT SYSTEM FOR A SUPPLY CHAIN MANAGEMENT	2013	Zolfpour-Arokhlo, M., Selamat, A., Hashim, S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	A PSO-BASED MODEL TO INCREASE THE ACCURACY OF SOFTWARE DEVELOPMENT EFFORT ESTIMATION	2013	Khatibi Bardsiri, V., Jawawi, D.N.A., Hashim, S.Z.M., Khatibi, E.
INDEXED PROCEEDINGS/CONFERENCE	ILLUMINATION NORMALIZATION FOR EDGE-BASED FACE RECOGNITION USING THE FUSION OF RGB NORMALIZATION AND GAMMA CORRECTION	2013	Chude-Olisah, C.C., Sulong, G., Chude-Okonkwo, U.A.K., Hashim, S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	Memetic multiobjective particle swarm optimization-based radial basis function network for classification problems	2013	Qasem, S.N., Shamsuddin, S.M., Hashim, S.Z.M., Darus, M., Al-Shammari, E.
INDEXED PROCEEDINGS/CONFERENCE	DISCRETE WAVELET TRANSFORM DOMAIN TECHNIQUES	2013	Arab, F., Daud, S.M., Hashim, S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	TRAINING FEEDFORWARD NEURAL NETWORKS USING HYBRID PARTICLE SWARM OPTIMIZATION AND GRAVITATIONAL SEARCH ALGORITHM	2012	Mirjalili, S., Mohd Hashim, S.Z., Moradian Sardroudi, H.

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INDEXED PROCEEDINGS/CONFERENCE	THE EMERGING FIELD OF SYNTHETIC BIOLOGY: A REVIEW	2012	Habibi, N., Hashim, S.Z.M., Rodriguez, C.A., Mohamad, M.S.B., Deris, S.B.
INDEXED PROCEEDINGS/CONFERENCE	EVOLUTIONARY TECHNIQUES IN OPTIMIZING MACHINING PARAMETERS: REVIEW AND RECENT APPLICATIONS	2012	Yusup, N., Zain, A.M., Hashim, S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	DETECTING FLOODS USING AN OBJECT BASED CHANGE DETECTION APPROACH	2012	Faiza, B., Yuhaniz, S.S., Mohd Hashim, S.Z., Kalema, A.K.
INDEXED PROCEEDINGS/CONFERENCE	METAHEURISTIC SEARCH APPROACH BASED ON IN-HOUSE/OUT-SOURCED STRATEGY TO SOLVE REDUNDANCY ALLOCATION PROBLEM IN COMPONENT-BASED SOFTWARE SYSTEMS	2012	Ssaed A.A.A., Wan Kadir W.M.N., Hashim S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	ARTIFICIAL NEURAL NETWORKS AS MULTI-NETWORKS AUTOMATED TEST ORACLE	2012	Shahamiri, S.R., Wan-Kadir, W.M.N., Ibrahim, S., Hashim, S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	DETECTION OF ABNORMAL BEHAVIORS IN CROWD SCENE: A REVIEW	2012	Sjarif, N.N.A., Shamsuddin, S.M., Hashim, S.Z.
INDEXED PROCEEDINGS/CONFERENCE	COST BENEFITS MAXIMIZATION USING DISCOUNT COST FUNCTION FOR EMBEDDED SYSTEM ARCHITECTURE OPTIMIZATION	2012	Ssaed, A.A.A., Wan Kadir, W.M.N., Hashim, S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	OVERVIEW OF PSO FOR OPTIMIZING PROCESS PARAMETERS OF MACHINING	2012	Yusup, N., Zain, A.M., Hashim, S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	A NEW HYBRID FIREFLY ALGORITHM FOR COMPLEX AND NONLINEAR PROBLEM	2012	Abdullah, A., Deris, S., Mohamad, M.S., Hashim, S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	A TUNING PARAMETER SELECTOR METHOD FOR THE GSVM-SCAD IN DETERMINING SIGNIFICANT GENES AND BIOLOGICAL PATHWAYS	2012	Misman, M.F., Mohamad, M.S., Deris, S., ...Leham, N., Ibrahim, Z.
INDEXED PROCEEDINGS/CONFERENCE	A HYBRID OF SVM AND SCAD WITH GROUP-SPECIFIC TUNING PARAMETER FOR PATHWAY-BASED MICROARRAY ANALYSIS	2012	Misman, M.F., Mohamad, M.S., Deris, S., Mohamad, R.N.M.R., Hashim, S.Z.M., Omatu, S.
INDEXED PROCEEDINGS/CONFERENCE	NEURAL NETWORKS FOR ACCURATE ESTIMATION OF SOFTWARE METRICS	2011	Vahid Khatibi, B., Jawawi, D.N.A.,

Type	Article Name	Year	Author
			Mohd Hashim, S.Z., Khatibi, E.
INDEXED PROCEEDINGS/CONFERENCE	AN AUTOMATED FRAMEWORK FOR SOFTWARE TEST ORACLE	2011	Shahamiri, S.R., Kadir, W.M.N.W., Ibrahim, S., Hashim, S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	HEURISTIC ALGORITHM TO GENERATE MODIFIED FREEMAN CHAIN CODE FROM THINNED BINARY IMAGE	2011	Hasan, H., Haron, H., Hashim, S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	AN IMPROVED LOCAL BEST SEARCHING IN PARTICLE SWARM OPTIMIZATION USING DIFFERENTIAL EVOLUTION	2011	Abdullah, A., Deris, S., Hashim, S.Z.M., Mohamad, M.S., Arjunan, S.N.V.
INDEXED PROCEEDINGS/CONFERENCE	SWARM-BASED FEATURE SELECTION FOR HANDWRITING IDENTIFICATION	2010	Abdl, K.M.B., Hashim, S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	A REVIEW OF EMOTIONAL LEARNING AND IT'S UTILIZATION IN CONTROL ENGINEERING	2010	Beheshti, Z., Hashim, S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	IDENTIFICATION OF SIGNIFICANT PHENOTYPES RELATED GENES AND BIOLOGICAL PATHWAYS USING A HYBRID OF SUPPORT VECTOR MACHINES AND SMOOTHLY CLIPPED ABSOLUTE DEVIATION	2010	Misman M.F., Deris S., Mohamad M.S., Hashim S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	MODULAR WEIGHTLESS NEURAL NETWORK ARCHITECTURE FOR INTELLIGENT NAVIGATION	2009	Nurmaini, S., Hashim, S.Z.M., Jawawi, D.N.A.
INDEXED PROCEEDINGS/CONFERENCE	USING FUZZY ANALYTIC HIERARCHY PROCESS FOR SOUTHERN JOHOR RIVER RANKING	2009	Alias, M.A., Hashim, S.Z.M., Samsudin, S.
INDEXED PROCEEDINGS/CONFERENCE	LOGICAL HEURISTIC ALGORITHM IN EXTRACTING 2D STRUCTURE THINNED BINARY IMAGE INTO FREEMAN CHAIN CODE (FCC)	2009	Hasan, H., Haron, H., Hashim, S.Z., Syakirin Omar, F.
INDEXED PROCEEDINGS/CONFERENCE	GRAPH PARTITIONING METHOD FOR FUNCTIONAL MODULE DETECTIONS OF PROTEIN INTERACTION NETWORK	2009	Abdullah, A., Deris, S., Hashim, S.Z.M., Jamil, H.M.
INDEXED PROCEEDINGS/CONFERENCE	A REVIEW ON THE COMPONENT EVALUATION APPROACHES TO SUPPORT SOFTWARE REUSE	2008	Ismail, S., Wan-Kadir, W.M.N., Saman, Y.M., Mohd-Hashim, S.Z.

Type	Article Name	Year	Author
INDEXED PROCEEDINGS/CONFERENCE	MULTI READERS DETECTION IN ADAPTIVE RFID MIDDLEWARE	2008	Hashim, S.Z.M., Mardiyono, Nasir, W.M., Kadir, W., Anuar, N.
INDEXED PROCEEDINGS/CONFERENCE	COMPARATIVE ANALYSIS ON ADAPTIVE FEATURES FOR RFID MIDDLEWARE	2008	Hashim, S.Z.M., Mardiyono, Anuar, N., Kadir, W.M.N.W.
INDEXED PROCEEDINGS/CONFERENCE	A model for gene selection and classification of gene expression data	2007	Mohamad, M.S., Omatu, S., Deris, S., Hashim, S.Z.M.
INDEXED PROCEEDINGS/CONFERENCE	FORECASTING TIME SERIES DATA USING HYBRID GREY RELATIONAL ARTIFICIAL NEURAL NETWORK AND AUTO REGRESSIVE INTEGRATED MOVING AVERAGE MODEL	2007	Sallehuddin, R., Shamsuddin, S.M.Hj., Hashim, S.Z.M., Abraham, A.
INDEXED PROCEEDINGS/CONFERENCE	ACTIVE VIBRATION CONTROL OF FLEXIBLE STRUCTURES USING GENETIC OPTIMISATION	2006	Hashim, S.Z.M., Tokhi, M.O., Darus, I.Z.M.
NON INDEX	The New Multipoint Relays Selection in OLSR using Particle Swarm Optimization	2012	Malik, R. F., Rahman, T. A., Ngah, R., Mohd, S. Z., & Hashim, H
NON INDEX	AN IMPROVED HYBRID OF SVM AND SCAD FOR PATHWAY ANALYSIS	2011	Misman, M. F., Mohamad, M. S., Deris, S., Abdullah, A., & Hashim, S. Z. M.
NON INDEX	EVALUATION OF VIDEO WATERMARKING	2013	Siraj, M. M., Maarof, M. A., & Hashim, S. Z. M.
NON INDEX	A HYBRID INTELLIGENT APPROACH FOR AUTOMATED ALERT CLUSTERING AND FILTERING IN INTRUSION ALERT ANALYSIS	2009	Siraj, M. M., Maarof, M. A., & Hashim, S. Z. M.
NON INDEX	Iterative Local Gaussian Clustering for Expressed Genes Identification Linked To Malignancy Of Human Colarectal Carcinoma	2007	Wasito, I., Hashim, S. Z. M., & Sukmaningrum, S.
BOOK CHAPTER	A NEW HYBRID FIREFLY ALGORITHM FOR COMPLEX AND NONLINEAR PROBLEM	2012	Abdullah, A., Deris, S., Mohamad, M. S., & Hashim, S. Z. M.
BOOK CHAPTER	A HYBRID OF SVM AND SCAD WITH GROUP-SPECIFIC TUNING PARAMETER FOR PATHWAY-BASED MICROARRAY ANALYSIS	2012	Misman, M. F., Mohamad, M. S., Deris, S., Mohamad,

Type	Article Name	Year	Author
			R. N. M. R., Hashim, S. Z. M., & Omatu, S.
BOOK CHAPTER	APPLICATION OF FUZZY RULE-BASED MODEL TO PREDICT TIALN COATINGS ROUGHNESS	2012	Jaya, A. S. M., Muhamad, M. R., Abd Rahman, M. N., & Hashim, S. Z. M.
CONFERENCE PAPER	MODIFIED K-MEANS COMBINED WITH ARTIFICIAL BEE COLONY ALGORITHM AND DIFFERENTIAL EVOLUTION FOR COLOR IMAGE SEGMENTATION	2015	Bonab, M. B., Hashim, S. Z. M., Alsaedi, A. K. Z., & Hashim, U. R. A.
CONFERENCE PAPER	CROWD ANALYSIS AND ITS APPLICATIONS	2011	Amir Sjarif, N. N., Shamsuddin, S. M., Mohd Hashim, S. Z., & Yuhaniz, S. S.
CONFERENCE PAPER	DEVICE DISCOVERY FOR D2D COMMUNICATION USING BELIEF SPACE SEARCH IN DENSE AREA	2019	Hayat, O., Ngah, R., & Hashim, S. M.
CONFERENCE PAPER	Empirical Study of Sigmoid Increasing Inertia Weight in Particle Swarm Optimization	2007	Reza Firsandaya Malik, Tharek Abdul Rahman, Siti Zaiton Mohd. Hashim, and Razali Ngah
CONFERENCE PAPER	PPSelf Healing System :A Fundamental Review	2007	Md, M., Hashim, S. Z. M., Jawawi, D. N. A., & Takzim, J. D.
CONFERENCE PAPER	Selecting Informative Genes from Leukemia Gene Expression Data Using a Hybrid Approach for Cancer Classification	2007	Mohamad, M. S., Deris, S., Zaiton, S., & Hashim, M.
PROCEEDINGS	HANDWRITING IDENTIFICATION FROM THE PERSPECTIVE OF OPTIMIZATION MODEL	2014	bin Abdl, K. M., & Hashim, S. Z. M.
PROCEEDINGS	DIABETIC RETINOPATHY LESION DETECTION USING REGION-BASED APPROACH	2014	Hashim, M. F., & Hashim, S. Z. M.
PROCEEDINGS	AN ENHANCED QUADRATIC ANGULAR FEATURE EXTRACTION MODEL FOR ARABIC HANDWRITTEN LITERAL AMOUNT RECOGNITION	2018	Al-Nuzaili, Q., Hamdi, A., Hashim, S. Z. M., Saeed, F., & Khalil, M. S.

Type	Article Name	Year	Author
PROCEEDINGS	UTM SPORTS APP MOBILE APPLICATION	2017	Idris, M. H. B., & Hashim, S. Z. M.
PROCEEDINGS	FROM DATA TO DECISION: HOW BIG DATA CAN BE USED TO SUPPORT THE PROCESS OF SELECTING CANDIDATES FOR TOP POSITIONS IN UNIVERSITIES	2020	Naomie Salim, Siti Zaiton, Chan, Anazida Zainal, Sharin
CLASIFIED/TECHNICAL REPORT	END REPORT : SMART NAVIGATION DESIGN FOR ELEARNING BIG DATA ANALYTICS	2016	Siti Z, Mohd Hashim
CLASIFIED/TECHNICAL REPORT	MOBILE ANALYTICS DATABASE SUMMARIZATION FOR MALAYSIA AIR POLLUTANT INDEX DATA	2019	Siti Z., Mohd Hashim
CLASIFIED/TECHNICAL REPORT	JOHOR CORPORATION ANALYTICS PROJECT DOCUMENTATION	2020	Naomie Salim, Chan, Anazida Zainal, Siti Zaiton, Sharin
CLASIFIED/TECHNICAL REPORT	CSM CAMTEKS SCIENTIFIC STUDY REPORT	2023	Siti Zaiton Mohd Hashim, Siti Hajar Othman, Sharin & Chan

PLENARY/CHAIRPERSON/ORAL POSTER PRESENTER/KEYNOTE ADDRESS / INVITED GUEST SPEAKER

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION
1	KEYNOTE SPEAKER	THE 4TH INTERNATIONAL CONFERENCE ON APPLIED COMPUTING (ICAC2023). GENERATIVE AI: FROM AUTOMATION TO PERSONALISATION	20-21 AUGUST 2023	SUNWAY BIG BOX HOTEL, JOHOR BAHRU
2	GUEST SPEAKER	BIG DATA FROM INSIGHT TO IMPACT	5-6 Sept 2019,	HSE Staff, UMW, KL
3	SPEAKER	DATA SCIENTIST : SEXIEST JOB of The Century	3rd March, 2021	INTI INTERNATIONAL COLLEGE

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION
4	SPEAKER	Technology and Digitalization, A driving Force in New Wave of Business: Trends and Directions, ISEBT 2021	2021	KELANTAN
	SPEAKER	BIG DATA: Reimagining Its Social Impact	11 December 2021	REGIONAL YOUTH CONVENTION (RYC2021)
5	BEST PAPER AWARD	THE 4TH INTERNATIONAL CONFERENCE OF INFORMATION AND COMMUNICATION TECHNOLOGY 2019 (IRICT 2019)	22-23 SEPTEMBER 2019	PULAI SPRING RESORT
7	PRESENTER	INTERNATIONAL WORKSHOP ON BIG DATA ANALYTICS 2018 (IWBDA)	24-25 /07/2018	PULAI SPRING RESORT, JOHOR.
8	PRESENTER	INTERNATIONAL CONFERENCE ON COMPUTATIONAL INTELLIGENCE IN INFORMATION SYSTEM	16-18 /11/2018	GADONG, BRUNEI DARUSSALAM
9	PRESENTER	PROCEEDINGS OF THE 2ND INTERNATIONAL CONFERENCE OF RELIABLE INFORMATION AND COMMUNICATION TECHNOLOGY (IRICT 2017)	23-24 /04/2017	JOHOR BAHRU

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION
10	PRESENTER	1ST INTERNATIONAL CONFERENCE ON COMPUTING, ELECTRONIC AND ELECTRICAL ENGINEERING, ICE CUBE 2016; BUIITEMS TAKATU CAMPUSAIRPORT ROADQUETTA;	11-12 /04/2016	PAKISTAN
11	PRESENTER	PROCEEDINGS OF THE 14TH INTERNATIONAL CONFERENCE ON APPLIED COMPUTER AND APPLIED COMPUTATIONAL SCIENCE (ACACOS '15), APRIL 23-25, 2015. (PUBLISHED, SCOPUS INDEXED)	23-25 /04/2015	KUALA LUMPUR, MALAYSIA,
12	PRESENTER	SUSTAINABILITY AND VISIBILITY OF R&D AND ITS JOURNEY FOR JIHAD BISNES, SOFT COMPUTING SEMINAR (SOCOS 2013) IN CONJUNCTION WITH POSTGRADUATE ANNUAL RESEARCH SEMINAR (PARS 2013)	28 OGOS 2013	MELAKA
13	PRESENTER	4TH WORLD CONGRESS ON INFORMATION AND COMMUNICATION TECHNOLOGIES 'EMPOWERING NATION THROUGH ICT'	08-10 /12/2014	MALAYSIA
14	INVITED SPEAKER	RESEARCH METHODOLOGY WORKSHOP, UNIVERSITY SRI WIJAYA, PALEMBANG (UNSRI)	2013	PALEMBANG
15	FACILITATOR	WORKSHOP "PREDICTIVE ANALYSTIC TOOL FOR INNOVATICE DIGITAL ECONOMY ENVIROMENT", LRGS UTM-UKM.	28-30 SEP 2013	UKM

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION
16	LEAD SESSION	IN BIG DATA ROUNDTABLE DISCUSSION PANEL FOR THE 4TH WORLD CONGRESS ON INFORMATION AND COMMUNICATION TECHNOLOGIES (WICT 2014), , .	8-11/12/2014	MELAKA
17	INVITED SPEAKER	RESEARCH METHODOLOGY SEMINAR 1.0, SOUTHERN UNIVERSITY COLLEGE, JOHOR,	JUNE 15TH 2015.	JOHOR
18	INVITED SPEAKER	UTM-MESHHELP SUPPORT, MYBI 2015, RTC,	8TH OCT 2015.	KULAI, JOHOR
19	INVITED SPEAKER	UTM-MESHHELP SUPPORT, MYBI 2015, SMK SERI PINANG	5TH NOV 2015.	KULAI, JOHOR
20	INVITED SPEAKER	UTM-MESHHELP SUPPORT, MYBI 2015, SMK PULAI PERDANA	19TH NOV 2015	KULAI, JOHOR
21	INVITED PARTICIPANT	BIOINFORMATICS STRATEGY MEETING ROUND TABLE DISCUSSION,	19TH OCT 2016.	SINGAPORE,
22	INVITED SPEAKER	WORKSHOP ON 'RESEARCH EXCELLENCE DEVELOPMENT PROGRAM: HOW TO GET YOURSELF PUBLISH IN HIGH IMPACT JOURNAL', SOUTHERN UNIVERSITY COLLEGE JOHOR,	9 MAY 2017.	JOHOR
23	KEYNOTE SPEAKER	MSU INTERNATIONAL CONFERENCE ON SCIENCE, 'DATA SCIENCE AND BIG DATA ANALYTICS', ENGINEERING & INNOVATIVE TECHNOLOGY (MICSEIT2018)	25-SEP-18	KUALA LUMPUR

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION
24	INVITED PRESENTER	5-MIN PRESENTATION IN DEEPLearn2019, 3RD INTERNATIONAL SUMMER SCHOOL ON DEEP LEARNING, , WARSAW POLAND, CYCLE GENERATIVE ADVERSARIAL NETWORK (GAN) FOR UNPAIRED SKETCH TO CHARACTER TRANSLATION.	JULY 22-26 2019	WARSAW POLAND
25	INVITED SPEAKER	POSTGRADUATE RESEARCH SEMINAR 2019, FACULTY OF INFORMATION TECHNOLOGY & COMMUNICATION, UNIVERSITI TEKNIKAL MALAYSIA, MELAKA (UTEM),	26TH JUN 2019.	MELAKA (UTEM),
26	INVITED SPEAKER	'TALENT MANAGEMENT FOR EXCELLENCE SERIES –TAME SERIES 2019; MODULE 9: BIG DATA & ANALYTICS FOR PREDICTIVE ANALYSIS OF LEADERSHIP PERFORMANCE & BEHAVIOR,	9-JUL-19	AKEPT, BANDAR EINSTEK,
27	INVITED TRAINER	DATA ANALYTICS COURSE: FROM DATA TO INSIGHT, HSE STAFF, UMW,	5-6 SEPT 2019,	UTMKL.
28	INVITED SPEAKER	ICECOS 2019 (INTERNATIONAL CONFERENCE ON ENGINEERING AND COMPUTER SCIENCE), AN EVOLUTIONARY ALGORITHM FOR COMMUNITY DETECTION USING AN IMPROVED MUTATION OPERATOR.	OCTOBER 02-03, 2019	BATAM ISLAND, PROVINCE OF RIAU ISLANDS, INDONESIA,
29	INVITED SPEAKER	RESEARCH METHODOLOGY, FACULTY OF COMPUTER SCIENCE, UNIVERSITY OF SRI WIJAYA	7-8 OCT 2019.	INDONESIA

Patent Granted and Filing

NO	NAME OF PATENT	STATUS OF PATENT	National IP Status
1	Adaptive RFID Middleware	APPROVED	Patent Pending
2	Oct 2010-Patent Filing, 'Adaptive RFID Middleware', PI 2010003003, UTM. Team: Mardiyono, Siti Zaiton& Wan Mohd Nasir.	Patent Filing	2010

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NO	NAME OF COPYRIGHT	STATUS OF COPYRIGHT	Ref. No.
1	As-Hum Discretizer	APPROVED	IP/CP/2005/0159
2	Reliable Local Dense Neighbourhood Algorithm	APPROVED	IP/CP/2010/2193
3	MCC 1513-Advanced Artificial Intelligence LECTURE #7: In Class Exercise BP& SOM	APPROVED	IP/CP/2009/1469
4	Improved Fuzzy Membership Function Generation using Hybrid Particle Swarm Optimization and Genetic Algorithm	APPROVED	IP/CP/2011/2567
5	Overlap Reliable Local Dense Neighbourhood Algorithm	APPROVED	IP/CP/2010/2194
6	A Dashboard Design on Talent Analytics Recommender System	APPROVED	IP/CR/00864
7	ARTIFICIAL BEE COLONY IN OPTIMIZING PROCESS PARAMETERS OF SURFACE ROUGHNESS IN END MILLING AND ABRASIVE WATERJET MACHINING	APPROVED	IP/CR/2018/1018
8	A ROBUST HYBRID MODEL BASED ON KALMAN-SVM FOR BUS ARRIVAL TIME PREDICTION	APPROVED	IP/CR/2018/0906
9	Hybrid CFS-PSOBP forecasting model for multivariate time series	APPROVED	IP/CR/2017/0636
10	Intelligent Learning Model for Adaptive Selection of Learning Material	APPROVED	IP/CR/2016/1730
11	Development of mining approach based-online image retrieval	APPROVED	IP/CR/2016/1512
12	TIMBER DEFECT DETECTION BASED ON ROBUST MAHALANOBIS CLASSIFIER	APPROVED	IP/CR/2016/1121

NO	NAME OF COPYRIGHT	STATUS OF COPYRIGHT	Ref. No.
13	Oct 2010-Patent Filing, 'Adaptive RFID Middleware', PI 2010003003, UTM. Team: Mardiyono, Siti Zaiton & Wan Mohd Nasir.	APPROVED	2010
14	Copyright UTM: 'MCC1513: Advanced in Artificial Intelligence Lecture'. Team: Siti Mariyam & Siti Zaiton 10 Oct 2010-	APPROVED	2010