

Universiti Tun Hussein Onn Malaysia

Staff Profile

Full Name	Dr. Rahayu Binti A Hamid
Faculty	Fakulti Sains Komputer dan Teknologi Maklumat
Department	JABATAN MULTIMEDIA
Email	rahayu@uthm.edu.my
Designation	DS52 - Pensyarah Kanan
	Ketua Jabatan Jabatan Multimedia Fakulti Sains Komputer dan Teknologi Maklumat
	Penyelidik Utama Media & Signal Processing (MSP) Fakulti Sains Komputer dan Teknologi Maklumat
	Penyelidik Kanan Multimedia Research Group (MeRG) Fakulti Sains Komputer dan Teknologi Maklumat



Field of Expertise

Field Category (KPT)	INFORMATION, COMPUTER AND COMMUNICATIONS TECHNOLOGY (ICT)
Field (KPT)	Information Systems
Field of Specialization (KPT)	Electronic Information Storage and Retrieval Services

Academic Qualification

Year	Qualification	Institution
2017	SAINS KOMPUTER	RMIT University Melbourne Australia
2004	SARJANA SAINS KOMPUTER	UNIVERSITI TEKNOLOGI MALAYSIA
2000	SARJANA MUDA SAINS KOMPUTER	UNIVERSITI TEKNOLOGI MALAYSIA

Professional Appointments

DS52 - Pensyarah Kanan

Management Experience

Date	Description
01/01/2021 - 31/12/2022	Ketua Jabatan Fakulti Sains Komputer dan Teknologi Maklumat , Jabatan Multimedia
25/04/2021 - 31/12/2022	Penyelidik Utama Fakulti Sains Komputer dan Teknologi Maklumat , Media & Signal Processing (MSP)
21/05/2019 - 20/05/2022	Penyelidik Kanan Fakulti Sains Komputer dan Teknologi Maklumat , Multimedia Research Group (MeRG)
01/01/2019 - 31/12/2020	Penyelidik Kanan Fakulti Sains Komputer dan Teknologi Maklumat , Multimedia Research Group (MeRG)
01/04/2008 - 31/03/2010	Ketua Makmal Fakulti Sains Komputer dan Teknologi Maklumat

Teaching Experience

Year	Description	Level
2019	Pengaturcaraan Grafik [BIT20203], Sesi 20182019 Semester 2, Universiti Tun Hussein Onn Malaysia, 2019	University

2019	Pemprosesan Imej [BIM33203], Sesi 20182019 Semester 2, Universiti Tun Hussein Onn Malaysia, 2019	University
2018	Realiti Maya [BIM30803], Sesi 20182019 Semester 1, Universiti Tun Hussein Onn Malaysia, 2018	University
2018	Pengaturcaraan Grafik [BIT20203], Sesi 20182019 Semester 2, Universiti Tun Hussein Onn Malaysia, 2018	University
2018	Pengaturcaraan Grafik [BIT20203], Sesi 20182019 Semester 2, Universiti Tun Hussein Onn Malaysia, 2019	University
2018	Pemprosesan Media Digital [BIM33303], Sesi 20172018 Semester 2, Universiti Tun Hussein Onn Malaysia, 2018	University
2018	Kreativiti dan Inovasi [BIC31502], Sesi 20172018 Semester 2, Universiti Tun Hussein Onn Malaysia, 2018	University
2017	Pemprosesan Media Digital [BIM33303], Sesi 20162017 Semester 2, Universiti Tun Hussein Onn Malaysia, 2017	University
2017	Interaksi Manusia Komputer [BIM30503], Sesi 20172018 Semester 1, Universiti Tun Hussein Onn Malaysia, 2017	University
2017	Pengaturcaraan Grafik [BIT20203], Sesi 20172018 Semester 1, Universiti Tun Hussein Onn Malaysia, 2017	University
2017	Struktur Data dan Algoritma [BIT10703], Sesi 20162017 Semester 2, Universiti Tun Hussein Onn Malaysia, 2017	University
2016	Interaksi Manusia Komputer [BIM30503], Sesi 20162017 Semester 1, Universiti Tun Hussein Onn Malaysia, 2016	University
2016	Pemprosesan Media Digital [BIM33303], Sesi 20152016 Semester 2, Universiti Tun Hussein Onn Malaysia, 2016	University
2016	Struktur Data dan Algoritma [BIT10703], Sesi 20152016 Semester 2, Universiti Tun Hussein Onn Malaysia, 2016	University
2015	Kemahiran Pengkomputeran [BIC10703], Sesi 20142015 Semester 3, Universiti Tun Hussein Onn Malaysia, 2015	University
2015	Kemahiran Teknologi Maklumat [BIT10803], Sesi 20142015 Semester 3, Universiti Tun Hussein Onn Malaysia, 2015	University
2015	Struktur Data dan Algoritma [BIT10703], Sesi 20142015 Semester 2, Universiti Tun Hussein Onn Malaysia, 2015	University
2015	Pengurusan Projek Multimedia [BIM30703], Sesi 20152016 Semester 1, Universiti Tun Hussein Onn Malaysia, 2015	University
2015	Pemprosesan Media Digital [BIM33303], Sesi 20142015 Semester 2, Universiti Tun Hussein Onn Malaysia, 2015	University
2014	Pengurusan Projek Web [BIW30503], Sesi 20142015 Semester 1, Universiti Tun Hussein Onn Malaysia, 2014	University
2014	Pemprosesan Media Digital [BIM33303], Sesi 20142015 Semester 1, Universiti Tun Hussein Onn Malaysia, 2014	University

Research Grants And Contracts

Code	Title	Designation	End Date
K066	An Improved Feature Selection Approach on High Dimensionality Dataset using Whale Optimization Algorithm (WOA) and Simplified Swarm Optimization (SSO)	Ketua	30/09/2022
H740	UTHMAR : UTHM Academic Program Promotion using Augmented Reality Technology	Ahli	31/10/2021
H100	NEUCUBE-fMRI SEMI-SUPERVISED MODEL FOR LEARNING AND MINING OF 3D SPATIOTEMPORAL DATA	Ahli	31/12/2020
1608	An Improved Convolution Neural Network Algorithm Using Wavelet Noise filtering Technique for Violence Video Classification (Tajuk Baru) An Improved Algorithm for Violence Video Classification Using Convolutional Neural Networks(Tajuk Lama)	Ahli	31/01/2020
0448	Web Browsing Interface for Mobile Devices	Ketua	30/11/2008
0181	Design and Development of a FTMM Video on Demand (VoD) System for Supporting Teaching and Learning	Ahli	31/12/2005

Publications

Book Chapters

Abdul Qayyum Ab. Basir, Noorhaniza Wahid, Rahayu A. Hamid, Norhanifah Murli

(2020) Integrasi Realiti Terimbuh (Ar) Dalam Aktiviti Mewarna, Sistem Dan Aplikasi Multimedia ? Pembangunan Terkini (Siri 1), UTHM , 92, ISBN:9789672916529

Suhaila Seman @ Othman, Rahayu A Hamid, Noorhaniza Wahid, Norhanifah Murli

(2020) Kita Tutup Aurat! : Aplikasi Pembelajaran Menutup Aurat Untuk Kanak-Kanak, Sistem Dan Aplikasi Multimedia ? Pembangunan Terkini (Siri 1), UTHM , 50, ISBN:9789672916529

`Adhlin `Atirah Mohd Sopi, Noorhaniza Wahid, Rahayu A. Hamid, Norhanifah Murli

(2020) M-Hafazan: Aplikasi Mudah Alih Untuk Pengajian Tahfiz, Sistem Dan Aplikasi Multimedia ? Pembangunan Terkini (Siri 1), UTHM , 33, ISBN:9789672916529

Nur Amira Muhammad, Noorhaniza Wahid, Rahayu A. Hamid, Norhanifah Murli

(2020) Pendekatan Permainan Mudah Alih Dalam Pembelajaran Congkak, Sistem Dan Aplikasi Multimedia - Pembangunan Terkini (Siri 1), UTHM , 26, ISBN:9789672916529

Natasya Johari, Norhanifah Murli, Rahayu A. Hamid, Noorhaniza Wahid

(2020) Permainan Mudah Alih #Oh! Hiking, Sistem Dan Aplikasi Multimedia ? Pembangunan Terkini (Siri 1), UTHM , 43, ISBN:9789672916529

Cik Feresa Mohd Foozy, Nureize Arbaiy, Nurul Aswa Omar, Rahayu A Hamid, Palaniappan Shamala

(2018) Chapter 9: Lightweight Intrusion Detection System For Handheld Device , Emerging Trends In Information Security Application Series 2 , UTHM , 99, ISBN:9789672216476

Journal

Zoe Yee Tze Yun , Noorhaniza Wahid , Norhanifah Murli , Rahayu A Hamid , Muhammad Fakri Othman

(2018) 2d Platform-Based Game Of Arithmetic Game-Based Learning, JOURNAL OF PHYSICS: CONFERENCE SERIES, IOP Publishing , 7, 1, ISSN:17426588

Lim, S. Y., Noorhaniza, W., Rahayu, A. H., Norhanifah, M., & Muhammad Fakri, O

(2018) Augmented Reality Technology Implementation In Local Automobile Advertising, JOURNAL OF TELECOMMUNICATION, ELECTRONIC AND COMPUTER ENGINEERING (JTEC), Universiti Teknikal Malaysia Melaka , 6, 33, ISSN:22898131

Oo Yew Beng Keat, Noorhaniza Wahid, Norhanifah Murli, Rahayu A. Hamid

(2018) Augmented Reality To Induce Enjoyment In Edutainment Mobile Game, INTERNATIONAL JOURNAL OF INFORMATICS VISUALIZATION, Politeknik Negeri Padang , 7, 188, ISSN:25499610

Chong Yong Khong, Rahayu A Hamid, Noorhaniza Wahid, Norhanifah Murli and Muhammad Fakri Othman

(2018) Fortune Run: A Mobile Game Showcasing Cultural Celebration In Malaysia, JOURNAL OF PHYSICS: CONFERENCE SERIES, IOP Publishing , 7, 1, ISSN:17426596

W Y Lee, N Murli, N Wahid, R A.Hamid, M F Othman

(2018) Voice Converter On Android, JOURNAL OF PHYSICS CONFERENCE SERIES 1049(1):012082, IOP Publishing Ltd , 7, 012082, ISSN:17426596

Rahayu A Hamid, James A Thom, DNF Awang Iskandar

(2017) Effects Of Relevance Criteria And Subjective Factors On Web Image Searching Behaviour, JOURNAL OF INFORMATION SCIENCE, SAGE PUBLICATIONS LTD , 12, 786, ISSN:01655515

Prosiding / Seminar

Ahmad, M., Wahid, N., Mehmood, A., Choi, G.S., Hamid, R.A., Musthaq, M.F., Saharuddin, S.S.

(2020) Mental Health App Reviews Analyzer (Mhara) Using Logistic Regression And Tri-Gram, SPRINGER , 274, ISBN:9783030360559

MOHD NOR AZIZE AZIZ, RAHAYU A HAMID

(2020) Night Market Escape In Vr, UTHM , 192, ISBN:27735141

OOI KAR YEE, RAHAYU A HAMID

(2020) Wisebp: Mobile Application For Blood Pressure Monitoring, UTHM , 160, ISBN:27735141

Supervision

Year	Description	Role
2019	Supervisor for Farah Nazeedah binti Mat Tawi, Degree, Universiti Tun Hussein Onn Malaysia, 2019	Supervisor
2019	Supervisor for Tan Yi Heng, Degree, Universiti Tun Hussein Onn Malaysia, 2019	Supervisor
2019	Supervisor for Siti Najihah binti Roslim, Degree, Universiti Tun Hussein Onn Malaysia, 2019	Supervisor
2019	Supervisor for Nur Safinas binti Baharudin, Degree, Universiti Tun Hussein Onn Malaysia, 2019	Supervisor
2019	Supervisor for Nur Fatihin binti Mohammad Ridzwan, Degree, Universiti Tun Hussein Onn Malaysia, 2019	Supervisor
2019	Supervisor for Loke Yue Hang, Degree, Universiti Tun Hussein Onn Malaysia, 2019	Supervisor
2019	Supervisor for Ahmad Ihtisyam bin Masor, Degree, Universiti Tun Hussein Onn Malaysia, 2019	Supervisor
2019	Supervisor for Ahmad Azizi bin Suyuddin Akmal, Degree, Universiti Tun Hussein Onn Malaysia, 2019	Supervisor
2018	Supervisor for Nor Amira binti Amir Sharifuddin, Degree, Universiti Tun Hussein Onn Malaysia, 2018	Supervisor
2018	Supervisor for Muhammad Amirul Hafiz bin Abd Rahman, Degree, Universiti Tun Hussein Onn Malaysia, 2018	Supervisor
2018	Supervisor for Aisyah Syafiqah Binti Abd Aziz, Degree, Universiti Tun Hussein Onn Malaysia, 2018	Supervisor
2018	Supervisor for Mohd Nor Azizie bin Aziz, Degree, Universiti Tun Hussein Onn Malaysia, 2018	Supervisor
2018	Supervisor for Maizatul Akma binti Zahari, Degree, Universiti Tun Hussein Onn Malaysia, 2018	Supervisor
2018	Supervisor for Ameer Fikry bin Mohamad Niro, Degree, Universiti Tun Hussein Onn Malaysia, 2018	Supervisor
2017	Supervisor for Andi Nurmaisharah Binti Mohamad, Degree, Universiti Tun Hussein Onn Malaysia, 2017	Supervisor
2017	Supervisor for Chong Yong Khong, Degree, Universiti Tun Hussein Onn Malaysia, 2017	Supervisor
2017	Supervisor for Nurul Khalida Binti Khalid, Degree, Universiti Tun Hussein Onn Malaysia, 2017	Supervisor
2017	Supervisor for Nur Fariyah Binti Mohd Faiz, Degree, Universiti Tun Hussein Onn Malaysia, 2017	Supervisor
2017	Supervisor for Saidatul Najwa Binti Mohd Alias, Degree, Universiti Tun Hussein Onn Malaysia, 2017	Supervisor
2016	Supervisor for Norhidayah bt Abdul Jamil, Degree, UTHM, 2016	Supervisor
2016	Supervisor for Nur Hamizah bt Ismail, Degree, UTHM, 2016	Supervisor

2016	Supervisor for Siti Aisyah bt Masrom, Degree, UTHM, 2016	Supervisor
2016	Supervisor for Farahatussolihah bt Darus, Degree, UTHM, 2016	Supervisor
2016	Supervisor for Zafirah bt Md Taha, Degree, UTHM, 2016	Supervisor
2016	Supervisor for Suhaila bt Seman @ Othman, Degree, UTHM, 2016	Supervisor
2016	Supervisor for Nor Ashikin bt Mohd Noh, Degree, UTHM, 2016	Supervisor
2016	Supervisor for Nursyahida bt Hasni, Degree, UTHM, 2016	Supervisor
2016	Supervisor for Nor Fazira Adila bt Saleh, Degree, UTHM, 2016	Supervisor
2015	Supervisor for Nuruljannah binti Abdul Razak, Degree, UTHM, 2015	Supervisor
2015	Supervisor for Nur Izza binti Idris, Degree, UTHM, 2015	Supervisor
2015	Supervisor for Nur Syafiqah 'Izzaidah binti Mohd Adnan, Degree, UTHM, 2015	Supervisor
2015	Supervisor for Rasidah binti Mahat, Degree, UTHM, 2015	Supervisor
2015	Supervisor for Siti Nurzaharah binti Othman, Degree, UTHM, 2015	Supervisor
2015	Supervisor for Nur Aziemah binti Saad, Degree, UTHM, 2015	Supervisor
2015	Supervisor for Rafisyah Hasyima binti Ramle, Degree, UTHM, 2015	Supervisor
2015	Supervisor for Yusri Nabihah binti Mohd Yazid, Degree, UTHM, 2015	Supervisor
2015	Supervisor for Afiqah Raimi binti Abdul Wahab, Degree, UTHM, 2015	Supervisor
2015	Supervisor for Gopinathan A/L Paramasivan, Degree, UTHM, 2015	Supervisor
2015	Supervisor for Najirah Hulwani binti Hassan, Degree, UTHM, 2015	Supervisor
2015	Supervisor for Pavithirah A/P Gopal, Degree, UTHM, 2015	Supervisor
2014	Supervisor for Nurlisa binti Shamsir, Degree, UTHM, 2014	Supervisor
2014	Supervisor for Siti Nor Aniza binti Mohd Khir, Degree, UTHM, 2014	Supervisor
2014	Supervisor for Hamimi binti Ibrahim, Degree, UTHM, 2014	Supervisor
2014	Supervisor for Nadiyah Fatimah binti Mungkar, Degree, UTHM, 2014	Supervisor

Extension & Public Services

Year	Description	Level
2014	Program Committee, SCDM International Conference 2014	International

Courses & Training

Year	Description Organiser / Venue	Date
2021	WEBINAR PENGURUSAN JURNAL UTHM / GOOGLE MEET	11/08/2021
2021	KURSUS REKABENTUK & PENGURUSAN PROGRAM AKADEMIK TAHAP 1 PUSAT PENGAJARAN & PEMBELAJARAN, UTHM / UTHM	12/07/2021
2021	KURSUS PENGURUSAN PROSIDING PEJABAT PENDAFTAR, UTHM / GOOGLE MEET	01/06/2021
2021	KURSUS OPEN JOURNAL SYSTEM (OJS) BAGI JURNAL & PROSIDING BIL 1/2021 UTHM / MAKMAL KOMPUTER BLOK L, ARAS BAWAH, PTTA	11/04/2021
2021	BENGKEL / TAKLIMAT PENASIHAT AKADEMIK DAN KERJAYA (PAK) UTHM / -	14/03/2021
2021	BENGKEL PERSEDIAAN PNP SEMESTER II SESI 2020/2021 FSKTM, UTHM / -	11/03/2021
2021	JERAYAWARA KRITERIA BAHARU PENILAIAN PRESTASI TAHUNAN & KENAIKAN PANGKAT STAF AKADEMIK UTHM BERSAMA FAKULTI SAINS KOMPUTER DAN TEKNOLOGI MAKLUMAT UTHM / GOOGLE MEET	05/01/2021
2020	WORK EFFICIENTLY WITH POWERPOINT 365 (REPEAT) UTHM / PUSAT PEMBELAJARAN ATAS TALIAN TAHAP GLOBAL	07/10/2020
2020	TAKLIMAT DAN AKTIVITI PERSEDIAAN KEMUDAHAN PENGAJARAN & PEMBELAJARAN PATUH SOP	04/10/2020

	COVID UTHM / FOYER FSKTM	
2020	TAKLIMAT PENGURUSAN HARTA PUSAKA UTHM / -	01/10/2020
2020	KNOWLEDGE SHARING SESSION : SOME SKILLS FOR EFFECTIVE SUPERVISION OF FYP - STUDENTS : IOT - BASED PROJECTS UTHM / FSKTM	30/09/2020
2020	OCCUPATIONAL SAFETY & HEALTH TRAINING : FIRE SAFETY & PREVENTION PLANS UTHM / -	27/09/2020
2020	OCCUPATIONAL SAFETY & HEALTH TRAINING : FIRE SAFETY & PREVENTION PLANS LAIN-LAIN / FSKTM	27/09/2020
2020	BENGKEL PENGURUSAN PENERBITAN PROSIDING UTHM / BILIK SERI SIANTAN , ARAS 3, PEJABAT PENDAFTAR	03/09/2020
2020	PORGRAM BERSAMA PROFESOR ADJUNG FSKTM UTHM / BILIK MESYUARAT UTAMA ARAS 7, FSKTM	17/08/2020
2020	SYARAHAN PROFESOR ADJUNG FSKTM 2020 : THE REALITY OF CYBER THREATS TODAY UTHM / AUDITORIUM FSKTM	17/08/2020
2020	OPEN JOURNAL SYSTEM (OJS) UTHM / -	27/07/2020
2020	KURSUS ANCAMAN JENAYAH SIBER- REALITI ATAU FANTASI? PEJABAT PENDAFTAR,UTHM / GOOGLE MEET	23/07/2020
2020	WEBINAR VISIITING PROFESOR " WOW IMPRESSIVE RESEARCH : CAN YOU EXPLAIN WHAT IT IS AGAIN ?" UTHM / GOOGLE MEET	12/07/2020
2020	KURSUS PENGURUSAN KEWANGAN PERIBADI - BERHUTANG TANPA SENGSARA BERHEMAH DALAM BERBELANJA PEJABAT PENDAFTAR,UTHM / GOOGLE MEET	06/05/2020
2020	KURSUS AKTA 605 UTHM / GOOGLE MEET ONLINE	23/04/2020
2019	PROGRAM PERKONGSIAN ILMU BERSAMA PROF DR HJ MUSTAFA BIN MAT DERIS UTHM / UTHM	17/11/2019
2019	PROGRAM PA PERDANA FSKTM 2019 UTHM / FOYER FSKTM	12/11/2019
2019	SEMINAR DAN KOLOKIUM PENYELIDIKAN FSKTM BIL. 3.2019 UTHM / BILIK MESYUARAT UTAMA, ARAS7, FSKTM	14/10/2019
2019	PERKONGSIAN MAKLUMAT BIL.3/2019 : KOLESTROL FAKTA @ MITOS UTHM / UTHM	25/09/2019
2019	SEMINAR PERKONGSIAN AMALAN TERBAIK PEMBELAJARAN DIGITAL (SPREAD 2019) PAGOH UTHM / BILIK MESYUARAT 1 UTHM KAMPUS PAGOH	29/08/2019
2019	SEMINAR PERKONGSIAN AMALAN TERBAIK PEMBELAJARAN DIGITAL (SPREAD2019) UTHM / UTHM	29/08/2019
2019	KOLOKIUM PENYELIDIKAN 1/2019 UTHM / UTHM	15/08/2019
2019	KURSUS PHP LARAVEL UTHM / UTHM	07/08/2019
2019	KURSUS PHP LARAVEL UTHM / UTHM	06/08/2019
2019	BENGKEL PEMBENTANGAN PENILAIAN 1&2 DAN PROGRES RESEARCH PELAJAR PENYELIDIKAN SEM II SESI 2018/2019 UTHM / UTHM	09/07/2019
2019	KURSUS JURUAUDIT MS ISO 9001:2015 PUSAT PEMBANGUNAN AKADEMIK, UTHM / .	17/06/2019
2019	CABARAN DAN PELUANG DALAN SAINS KOMPUTER DAN TEKNOLOGY MAKLUMAT / PERKEMBANGAN INDUSTRI PENGKOMPUTERAN TERKINI UTHM / UTHM	21/04/2019
2019	BENGKEL E-PRINT : PEMBANGUNAN E- REPORT, E-THESIS, E-ARTICLE DAN REPOSITORI INSTITUSI UTHM UTHM / UTHM	15/04/2019
2019	PROGRAM PERHIMPUNAN BULANAN DAN KECERGASAN FSKTM BIL 2/2019 UTHM / UTHM	11/04/2019

2019	BENGKEL SANGGAR KERJA PENYELIDIKAN FSKTM UTHM / BILIK MESYUARAT UTAMA, FSKTM	08/04/2019 - 09/04/2019
2019	BLOKCHAIN FOR BEGINNER 2019 UTHM / UTHM	07/04/2019
2019	JERAYAWARA DAN PERKONGSIAN ILMU PENYELIDIKAN BERSAMA TIMBALAN NAIB CANSELOR (PENYELIDIKAN DAN INOVASI) UTHM / UTHM	13/03/2019
2019	BENGKEL PEMBENTANGAN PENILAIAN 1&2 DAN PROGRESS RESEARCH PELAJAR PENYELIDIKAN SEMESTER 1 SESI 2018/2019 UTHM / FSKTM UTHM	06/01/2019