



UNIVERSITI TEKNIKAL MALAYSIA MELAKA

STAFF PROFILE

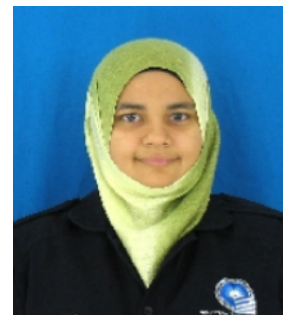
NAME PROFESOR MADYA TS. DR. SHARIFAH SAKINAH BINTI SYED AHMAD

FACULTY / CENTRE FAKULTI TEKNOLOGI MAKLUMAT & KOMUNIKASI

DESIGNATION PENSYARAH UNIVERSITI

CURRENT POSITION TIMBALAN PENGARAH - PUSAT PENGURUSAN STRATEGIK, KUALITI & RISIKO

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ACADEMIC QUALIFICATION

YEAR	QUALIFICATION	INSTITUTION
2012	KEDOKTORAN FALSAFAH (PH.D)	UNIVERSITY OF ALBERTA
2003	SARJANA (MASTERS)	UNIVERSITI SAINS MALAYSIA
2002	SARJANA MUDA KEPUJIAN(BACHELOR HONS)	UNIVERSITI SAINS MALAYSIA

FIELD OF INTEREST

INTELLIGENT SYSTEM FUZZY MODELING MATHEMATICAL MODELING OPTIMIZATION MODELING

TEACHING EXPERIENCE *(last 5 years)*

UNDERGRADUATES

SESSION	COURSE
2021/2022	BIT1203 - FUNDAMENTAL MATHEMATICS
2021/2022	BIT1213 - LINEAR ALGEBRA AND DISCRETE MATHEMATICS
2020/2021	BIT2513 - INTRODUCTION TO DATA SCIENCE
2020/2021	DIT2213 - LINEAR ALGEBRA AND NUMERICAL METHODS
2019/2020	BIT2513 - INTRODUCTION TO DATA SCIENCE
2019/2020	DIT1213 - CALCULUS
2018/2019	BIT1113 - ARTIFICIAL INTELLIGENCE
2018/2019	DIT1213 - CALCULUS
2017/2018	BIT1213 - LINEAR ALGEBRA AND DISCRETE MATHEMATICS
2017/2018	DITG1113 - COMPUTER PROGRAMMING
2016/2017	BIT2233 - STATISTICS AND PROBABILITY

POSTGRADUATES

SESSION	COURSE
2020/2021	BITI2513 - INTRODUCTION TO DATA SCIENCE
2020/2021	MTDS5113 - ASAS SAINS DATA
2018/2019	MITP5113 - ALGORITHM ANALYSIS AND DESIGN
2018/2019	MTDS5113 - ASAS SAINS DATA
2017/2018	MITP5113 - ALGORITHM ANALYSIS AND DESIGN
2016/2017	MITP5113 - ALGORITHM ANALYSIS AND DESIGN

LIST OF GRANTS (last 5 years)

YEAR AWARDED	TITLE OF PROJECT	TYPE OF GRANT	AMOUNT (RM)	ROLE
2020	AN IMPROVED GRANULAR MODEL BASED-ON REINFORCEMENT STRUCTURE LEARNING FOR SCALABLE DATA-DRIVEN FOREST ECOSYSTEM MONITORING	GERAN FRGS (NATIONAL)	104988	MAIN RESEARCHER
2020	AN ANALYSIS ON PUBLIC AWARENESS TOWARDS THE CULTURE OF TRAFFIC SAFETY USING INTELLIGENT SOCIAL ANALYTICS	GERAN ANTARABANGSA (INTERNATIONAL)	20900	MAIN RESEARCHER
2019	AN ENHANCED HISTOGRAM OF ORIENTED GRADIENTS FOR PLANT DISEASE DETECTION	SHORT TERM (UTEM)	20000	CO-RESEARCHER
2019	DISCRETE-TIME SYSTEM MODEL IDENTIFICATION USING GENETIC ALGORITHM WITH SINGLE-PARENT CROSSOVER TECHNIQUE	GERAN FRGS (NATIONAL)	59700	CO-RESEARCHER
2019	ENHANCED TEMPORAL COMMUNITY DETECTION ALGORITHM BASED ON CROSS TIME APPROACH FOR HIGHER SUPPLY CHAIN VISIBILITY	GERAN FRGS (NATIONAL)	67200	CO-RESEARCHER
2018	ADAPTIVE THRESHOLD VALUE AND PIECEWISE FITTING FOR IRIS LOCALIZATION	SHORT TERM (UTEM)	20000	CO-RESEARCHER
2018	ASSESSMENT OF ABOVEGROUND BIOMASS AND CARBON STOCK IN THE TROPICAL RAINFOREST OF MALAYSIA	SHORT TERM (UTEM)	20000	CO-RESEARCHER
2018	PARTICLE SWARM OPTIMIZATION FOR INTELLIGENT TRAFFIC SIGNAL CONTROLLER	SHORT TERM (UTEM)	20000	CO-RESEARCHER
2018	MTUN UMAR MDS-1 FACIAL ROBOT	SHORT TERM (UTEM)	30000	CO-RESEARCHER
2018	POWER CONVERSION EFFICIENCY OF NANOCELLULOSE-WASTE OFFICE PAPER AS A ORGANIC SOLAR CELLS SUBSTRATE	SHORT TERM (UTEM)	20000	CO-RESEARCHER
2018	A NOVEL GRAPH ANALYTICS THEORY MODEL TO MITIGATE IOT BOTNETS ATTACKS FOR BIG DATA	GERAN ANTARABANGSA (INTERNATIONAL)	51000	CO-RESEARCHER
2017	IMPROVING THE QUALITY OF SOFTWARE REQUIREMENTS SPECIFICATION (SRS) THROUGH A BOILERPLATE TECHNIQUE	SHORT TERM (UTEM)	25000	CO-RESEARCHER

PUBLICATIONS (last 5 years)**JOURNAL**

YEAR	TITLE	NAME OF JOURNAL	AUTHORS
2020	AVAILABLE TECHNIQUES IN HADOOP SMALL FILE ISSUE	INTERNATIONAL JOURNAL OF ELECTRICAL AND COMPUTER ENGINEERING	MASADEH M.B., AZMI M.S., AHMAD S.S.S.
2020	LEVERAGING IOT TOWARDS SUSTAINABLE MANUFACTURING APPLICATIONS BASED ON TEXT ANALYTICS	INTERNATIONAL JOURNAL OF ADVANCED TRENDS IN COMPUTER SCIENCE AND ENGINEERING	
2020	TREE VOLUME MODELLING AND VALIDATION USING MACHINE LEARNING APPROACHES FOR FOREST RESERVE	JOURNAL OF THEORETICAL AND APPLIED INFORMATION TECHNOLOGY	
2019	ASSESSMENT OF ABOVEGROUND BIOMASS AND TEMPERATURE IN THE TROPICAL RAINFOREST OF MALAYSIA	INTERNATIONAL JOURNAL OF INNOVATIVE TECHNOLOGY AND EXPLORING ENGINEERING	AZMI E.F., HUSSIN N.H., AHMAD S.S.S., SAID R.M., SAMSUDIN A.
2019	EXTREMA POINTS APPLICATION IN DETERMINING IRIS REGION OF INTEREST	EDUCATUM JOURNAL OF SCIENCE, MATHEMATICS AND TECHNOLOGY (EJSMT)	ZURAINI OTHMAN; AZIZI ABDULLAH; SARIFAH SAKINAH SYED AHMAD; FAUZIAH KASMIN
2019	PERFORMANCE COMPARISON OF COLLABORATIVE-FILTERING APPROACH WITH IMPLICIT AND EXPLICIT DATA	INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS	FITRI MARISA, SARIFAH SAKINAH SYED AHMAD, ZERATUL IZZAH MOHD YUSOH, TUBAGUS MOHAMMAD AKHRIZA, WIWIN PURNOMOWATI, RAKESH KUMAR PANDEY
2019	ROAD CRACK DETECTION USING ADAPTIVE MULTI RESOLUTION THRESHOLDING TECHNIQUES	TELKOMNIKA (TELECOMMUNICATION COMPUTING ELECTRONICS AND CONTROL)	OTHMAN, ZURAINI; ABDULLAH, AZIZI; KASMIN, FAUZIAH; AHMAD, SARIFAH SAKINAH SYED
2019	SEGMENTATION MODEL OF CUSTOMER LIFETIME VALUE IN SMALL AND MEDIUM ENTERPRISE (SMES) USING K-MEANS CLUSTERING AND LRFM MODEL	INTERNATIONAL JOURNAL OF INTEGRATED ENGINEERING	FITRI MARISA, SARIFAH SAKINAH SYED AHMAD, ZERATUL IZZAH MOHD YUSOH, FACHRUDIN HUNAINI, TUBAGUS MOHAMMAD AKHRIZA AZIZ
2019	STATE-OF-THE-ART IN IMAGE CLUSTERING BASED ON AFFINITY PROPAGATION	INTERNATIONAL JOURNAL OF RECENT TECHNOLOGY AND ENGINEERING	AKASH O.M., AHMAD S.S.S., AZMI M.S., ALKOURI A.U.
2019	THE IMPACT OF SOCIAL MEDIA ON HUMAN INTERACTION IN AN ORGANISATION BASED ON REAL-TIME SOCIAL MEDIA DATA	INTERNATIONAL JOURNAL OF DATA SCIENCE	SHARIFAH SAKINAH SYED AHMAD, ANIS NASEERAH BINTI SHAIK OSMAN AND HALIZAH BASIRON
2019	TRUTH DISCOVERY USING THE TRUSTCHECKER ALGORITHM ON ONLINE QURAN TAFSEER	LECTURE NOTES IN NETWORKS AND SYSTEMS	ZAID J. AL-ARAJIEMAI, SARIFAH SAKINAH SYED AHMADHAYDER A. AL-LAMY MUSTAFA W. AL-SALIHIS. A. AL-SHAMI
2018	COMPARISON ON CLOUD IMAGE CLASSIFICATION FOR THRASH COLLECTING LEGO MINDSTORMS EV3 ROBOT	INTERNATIONAL JOURNAL OF HUMAN AND TECHNOLOGY INTERACTION (IJHATI)	Z. OTHMAN, N.A. ABDULLAH, K.Y. CHIN, F.F.W. SHAHRIN, S.S. SYED AHMAD5 AND F. KASMIN
2018	CROWDSOURCING FOR REQUIREMENTS ENGINEERING: A SIMPLIFIED REVIEW	INTERNATIONAL JOURNAL OF COMPUTER INFORMATION SYSTEMS AND INDUSTRIAL MANAGEMENT APPLICATIONS	AHMAD S., ROSMADI N.A., SYED AHMAD S.S., ASMAI S.A.
2018	IMAGE PROCESSING TECHNIQUE USING GOOGLE CLOUD API AND SIGHTHOUND FOR LEGO MINDSTORMS EV3 ROBOT	ROBOTICS & AUTOMATION ENGINEERING JOURNAL	ZURAINI OTHMAN, NOR AZIM ABDULLAH, CHIN KON YEE, FAREEN FARINA WAIDA SHAHRIN, SARIFAH SAKINAH SYED AHMAD AND FAUZIAH KASMIN

CONFERENCE

YEAR	TITLE	NAME OF CONFERENCE	AUTHORS
2019	EFFECT OF SUPERVISED REGION OF INTEREST AGAINST EDGE DETECTION METHOD FOR IRIS LOCALISATION	INTERNATIONAL CONFERENCE ON INTELLIGENT AND INTERACTIVE COMPUTING 2018	ZURAINI OTHMAN;AZIZI ABDULLAH;FAUZIAH KASMIN;SHARIFAH SAKINAH SYED AHMAD
2017	IMPACT OF TWITTER ON HUMAN INTERACTION	THE 6TH INTERNATIONAL CONFERENCE ON COMPUTING & INFORMATICS	ANIS NASEERAH SHAIK OSMAN, SHARIFAH SAKINAH SYED AHMAD, AND HALIZAH BASIRON

PROFESSIONAL MEMBERSHIPS / LEARNED SOCIETY

YEAR	ROLE	INSTITUTION	LEVEL
2021	TEKNOLOGIS PROFESIONAL (LEMBAGA TEKNOLOGIS MALAYSIA)	LAIN-LAIN	KEBANGSAAN
2016	AHLI BIASA	INSTITUT JURUTERA ELEKTRIK DAN ELEKTRONIK (IEEE)	ANTARABANGSA
2015	AHLI	INSTITUT JURUTERA ELEKTRIK DAN ELEKTRONIK (IEEE)	ANTARABANGSA
2013	AHLI	INSTITUT JURUTERA ELEKTRIK DAN ELEKTRONIK (IEEE)	ANTARABANGSA

POSTGRADUATE SUPERVISION *(last 5 years)*

NO	NAME	LEVEL OF STUDY	ROLE	STATUS
1	SITI FARAH BINTI HUSSIN	DOCTORATE	CO-SUPERVISOR	ACTIVE
2	NURULHASANAH BINTI MAZLAN	DOCTORATE	MAIN SUPERVISOR	ACTIVE
3	MOHAMMAD BAHJAT MOHAMMAD ALMASA'DEH	DOCTORATE	CO-SUPERVISOR	ACTIVE
4	OMAR MAHMOUD NAYEF AL-AKASH	DOCTORATE	CO-SUPERVISOR	ACTIVE
5	ROBERT MARCO	DOCTORATE	MAIN SUPERVISOR	ACTIVE
6	NUR FAUZI SOELAIMAN	DOCTORATE	MAIN SUPERVISOR	ACTIVE
7	PANG YEE JIEA	DOCTORATE	CO-SUPERVISOR	ACTIVE
8	NORAZIRA BINTI A JALIL	DOCTORATE	CO-SUPERVISOR	ACTIVE
9	ZAID JASIM MOHAMMED	DOCTORATE	MAIN SUPERVISOR	ACTIVE
10	DINE TIARA KUSUMA	DOCTORATE	CO-SUPERVISOR	ACTIVE
11	ANIS FARHANI BT ABDUL GHAFAR	DOCTORATE	MAIN SUPERVISOR	ACTIVE
12	NORASILAH BINTI LATIFF	DOCTORATE	MAIN SUPERVISOR	ACTIVE
13	FITRI MARISA	DOCTORATE	MAIN SUPERVISOR	ACTIVE
14	AFIRAH BINTI TAUFIK	MASTERS	MAIN SUPERVISOR	GRADUATED (2020)
15	NURUL NADIRAH BINTI MOHAMAD KHAIRI	MASTERS	MAIN SUPERVISOR	GRADUATED (2017)
16	ADIBAH AMALINA BINTI ALI HASSAN	MASTERS	CO-SUPERVISOR	GRADUATED (2016)
17	NORAZIRA BINTI A JALIL	MASTERS	CO-SUPERVISOR	GRADUATED (2015)
18	NOR AIZA BINTI MOKETAR	MASTERS	CO-SUPERVISOR	GRADUATED (2014)
19	SITI HAJAR BINTI MOHD MUSHAR	MASTERS	MAIN SUPERVISOR	ACTIVE
20	NAZIRAH BINTI MOHAMMED ANWAR	MASTERS	MAIN SUPERVISOR	ACTIVE
21	NOR HAFIZA BINTI AHMAD	MASTERS	CO-SUPERVISOR	ACTIVE

CONSULTANCY

YEAR	TITLE OF PROJECT	AGENCY	ROLES	LEVEL
2019	STEM GROOMING CAMP KPM PERINGKAT KEBANGSAAN ZON SELATAN 2019	SMK AYER KEROH MELAKA	LEADER	NATIONAL

LIST OF RESEARCH AWARDS *(last 5 years)*

YEAR	TITLE	EXHIBITION	LEVEL	AWARD
2018	IMPROVING AGRICULTURE MANAGEMENT SERVICE SMART AGRICULTURE MOBILE APPLICATION	ITEX , PUSAT KONVENSYEN KUALA LUMPUR (KLCC), KUALA LUMPUR.	INTERNATIONAL	SILVER

INTELLECTUAL PROPERTIES

YEAR	INVENTION NAME	TYPE
2021	PROTECC - INNOVATING CARE	TRADE MARKS
2018	MYGAP : MOBILE APPLICATION FOR GOOD AGRICULTURE PRACTICE	COPYRIGHT

KATEGORI MAKLUMAT	PEJABAT DIRUJUK
PERSONAL INFORMATION	BAHAGIAN SUMBER MANUSIA, PEJABAT PENDAFTAR
ACADEMIC QUALIFICATON	
PROFESSIONAL MEMBERSHIP / LEARNED SOCIETY	
TEACHING EXPERIENCE	BAHAGIAN PENGURUSAN AKADEMIK, PEJABAT PENDAFTAR
<ul style="list-style-type: none"> • UNDERGRADUATES 	
<ul style="list-style-type: none"> • POSTGRADUATES 	PUSAT PENGAJIAN SISWAZAH (PPS)
POSTGRADUATE SUPERVISION	PUSAT PENGAJIAN SISWAZAH (PPS)
FIELD OF INTEREST	PUSAT PENGURUSAN PENYELIDIKAN DAN INOVASI (CRIM)
LIST OF GRANTS	
LIST OF RESEARCH AWARDS	PUSAT PENGKOMERSILAN (UCC)
INTELLECTUAL PROPERTIES	
COMMERCIALIZATION	
PUBLICATIONS	PERPUSTAKAAN LAMAN HIKMAH
CONSULTANCY	PUSAT JARINGAN INDUSTRI DAN MASYARAKAT (PJIM)