



UNIVERSITI TEKNIKAL MALAYSIA MELAKA

STAFF PROFILE

NAME TS. DR. MUHAMMAD NOORAZLAN SHAH BIN ZAINUDIN

FACULTY / CENTRE FAKULTI KEJURUTERAAN ELEKTRONIK & KEJ. KOMPUTER

DESIGNATION PENSYARAH UNIVERSITI

CURRENT POSITION TIMBALAN DEKAN (PEMBANGUNAN PELAJAR) - FAKULTI KEJURUTERAAN ELEKTRONIK & KEJ. KOMPUTER

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ACADEMIC QUALIFICATION

YEAR	QUALIFICATION	INSTITUTION
2018	KEDOKTORAN FALSAFAH (PH.D)	UNIVERSITI PUTRA MALAYSIA
2009	SARJANA (MASTERS)	UNIVERSITI TEKNOLOGI MALAYSIA
2008	SARJANA MUDA KEPUJIAN(BACHELOR HONS)	UNIVERSITI TEKNOLOGI MALAYSIA

FIELD OF INTEREST

MACHINE LEARNING APPLICATION

TEACHING EXPERIENCE *(last 5 years)*

UNDERGRADUATES

SESSION	COURSE
2021/2022	BITG1233 - COMPUTER PROGRAMMING
2020/2021	BENR1413 - DATA STRUCTURE AND ALOGRITHM
2020/2021	BITG1233 - COMPUTER PROGRAMMING
2019/2020	BENC3443 - MULTIMEDIA TECHNOLOGY AND APPLICATIONS
2019/2020	BENR1413 - DATA STRUCTURE AND ALOGRITHM
2019/2020	BITG1233 - COMPUTER PROGRAMMING
2018/2019	BENC3443 - MULTIMEDIA TECHNOLOGY AND APPLICATIONS
2018/2019	BENE4333 - ARTIFICIAL INTELLIGENCE
2018/2019	BENG4711 - ELECTRONIC ENGINEERING LAB 5

POSTGRADUATES

SESSION	COURSE
2020/2021	MENE5223 - ARTIFICIAL INTELLIGENCE
2019/2020	MENC5223 - EMBEDDED SOFTWARE DESIGN

LIST OF GRANTS (last 5 years)

YEAR AWARDED	TITLE OF PROJECT	TYPE OF GRANT	AMOUNT (RM)	ROLE
2021	NEW ALGORITHM OF HIGH ACCURACY PANOPTIC SEGMENTATION ON THE OFF-ROAD STEREO VISUAL SCENE OF AN UNMANNED GROUND VEHICLE.	GERAN FRGS (NATIONAL)	115500	CO-RESEARCHER
2021	DEVELOPMENT OF ROBUST AUTONOMOUS LOCALIZATION AND NAVIGATION USING DEEP Q LEARNING FOR OUTDOOR AUTONOMOUS TRANSPORTER (OAT)	GERAN INDUSTRI (INDUSTRY)	140000	CO-RESEARCHER
2020	CILI-PADI DETECTION, LOCALIZATION AND MATURITY ESTIMATION FROM 3D IMAGE RECONSTRUCTION OF STEREO VISION USING DEEP LEARNING APPROACH	SHORT TERM (UTEM)	20000	MAIN RESEARCHER
2020	IOT BASED FERTIGATION SYSTEM FOR CHILI CULTIVATION WITH HYBRID ARTIFICIAL LIGHTING	SHORT TERM (UTEM)	20000	CO-RESEARCHER
2019	SYNTHESIS OF STOCHASTIC COMPUTING WITH BIO-INSPIRED EMBEDDED ROBOTIC NAVIGATION SYSTEM	GERAN FRGS (NATIONAL)	54700	CO-RESEARCHER

PUBLICATIONS (last 5 years)**JOURNAL**

YEAR	TITLE	NAME OF JOURNAL	AUTHORS
2021	A FRAMEWORK FOR CHILI FRUITS MATURITY ESTIMATION USING DEEP CONVOLUTIONAL NEURAL NETWORK	PRZEGLAD ELEKTROTECHNICZNY	
2020	FAULT DETECTION FOR AIR CONDITIONING SYSTEM USING MACHINE LEARNING	IAES INTERNATIONAL JOURNAL OF ARTIFICIAL INTELLIGENCE	SULAIMAN N.A., ABDULLAH M.P., ABDULLAH H., ZAINUDIN M.N.S., YUSOP A.M.
2019	CHARACTERIZATION OF SiO ₂ /SiC INTERFACE OF PHOSPHOROUS-DOPED MOS CAPACITORS BY CONDUCTANCE MEASUREMENTS	INTERNATIONAL JOURNAL OF RECENT TECHNOLOGY AND ENGINEERING	IDRIS, M.I., NAPIAH, Z.A.F.M., SHAH ZAINUDIN, M.N., CHACHULI, S.A.M., RASHID, M.
2018	COMPARISON OF EXPECTATION MAXIMIZATION AND K-MEANS CLUSTERING ALGORITHMS WITH ENSEMBLE CLASSIFIER MODEL	WSEAS TRANSACTIONS ON COMPUTERS	M.N.SHAH ZAINUDIN, MD NASIR SULAIMAN, NORWATI MUSTAPHA, RAIHANI MOHAMED
2018	HYBRID RELIEF-F DIFFERENTIAL EVOLUTION FEATURE SELECTION FOR ACCELEROMETER ACTIONS	ADVANCED SCIENCE LETTERS	M.N.SHAH ZAINUDIN, MD. NASIR SULAIMAN, NORWATI MUSTAPHA, THINAGARAN PERUMAL, AZREE SHAHREL AHMAD NAZRI
2018	MULTI LABEL CLASSIFICATION ON MULTI RESIDENT IN SMART HOME USING CLASSIFIER CHAINS	ADVANCED SCIENCE LETTERS	RAIHANI MOHAMED, THINAGARAN PERUMAL, MD. NASIR SULAIMAN, NORWATI MUSTAPHA, M.N.SHAH ZAINUDIN
2018	MULTI-LABEL CLASSIFICATION FOR PHYSICAL ACTIVITY RECOGNITION FROM VARIOUS ACCELEROMETER SENSOR POSITIONS	JOURNAL OF INFORMATION AND COMMUNICATION TECHNOLOGY	RAIHANI MOHAMED, MOHAMMAD NOORAZLAN SHAH ZAINUDIN, MD NASIR SULAIMAN, THINAGARAN PERUMAL, NORWATI MUSTAPHA
2018	ONE-AGAINST-ALL BINARIZATION CLASSIFICATION STRATEGY TO RECOGNIZE INTERCLASS SIMILARITIES ACTIVITIES FROM SEVERAL SENSOR POSITIONS	JOURNAL OF ENGINEERING SCIENCE AND TECHNOLOGY	ZAINUDIN, M. N. SHAH; SULAIMAN, MD. NASIR; MUSTAPHA, NORWATI; PERUMAL, THINAGARAN
2018	ONE-AGAINST-ALL BINARIZATION CLASSIFICATION STRATEGY TO RECOGNIZE INTERCLASS SIMILARITIES ACTIVITIES FROM SEVERAL SENSOR POSITIONS	JOURNAL OF ENGINEERING SCIENCE AND TECHNOLOGY	M. N. SHAH ZAINUDIN, MD. NASIR SULAIMAN, NORWATI MUSTAPHA, THINAGARAN PERUMAL
2018	SOLVING CLASSIFICATION PROBLEM USING ENSEMBLE BINARIZATION CLASSIFIER	INTERNATIONAL JOURNAL OF ENGINEERING & TECHNOLOGY	M.N. SHAH ZAINUDIN, MD. NASIR SULAIMAN, NORWATI MUSAPHA, THINAGARAN PERUMAL, RAIHANI MOHAMED
2018	TWO-STAGE FEATURE SELECTION USING RANKING SELF-ADAPTIVE DIFFERENTIAL EVOLUTION ALGORITHM FOR RECOGNITION OF ACCELERATION ACTIVITY	TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES	MUHAMMAD NOORAZLAN SHAH ZAINUDIN , MD. NASIR SULAIMAN, NORWATI MUSTAPHA, THINAGARAN PERUMAL, RAIHANI MOHAMED
2017	FEATURE SELECTION OPTIMIZATION USING HYBRID RELIEF-F WITH SELF-ADAPTIVE DIFFERENTIAL EVOLUTION	INTERNATIONAL JOURNAL OF INTELLIGENT ENGINEERING AND SYSTEMS	M.N.SHAH ZAINUDIN,*, MD NASIR SULAIMAN, NORWATI MUSTAPHA, THINAGARAN PERUMAL, AZREE SHAHREL AHMAD NAZRI, RAIHANI MOHAMED, SYAIFULNIZAM ABD MANAF
2017	PAIRWISE CLASSIFICATION USING COMBINATION OF STATISTICAL DESCRIPTORS WITH SPECTRAL ANALYSIS FEATURES FOR RECOGNIZING WALKING ACTIVITIES	JOURNAL OF TELECOMMUNICATION, ELECTRONIC AND COMPUTER ENGINEERING	

CONFERENCE

YEAR	TITLE	NAME OF CONFERENCE	AUTHORS
2017	RECOGNIZING STATIONARY AND LOCOMOTION ACTIVITIES USING COMBINATIONAL OF SPECTRAL ANALYSIS WITH STATISTICAL DESCRIPTORS FEATURES	THE 2ND INTERNATIONAL CONFERENCE ON APPLIED SCIENCE AND TECHNOLOGY 2017 (ICAST 17)	

PROFESSIONAL MEMBERSHIPS / LEARNED SOCIETY

YEAR	ROLE	INSTITUTION	LEVEL
2020	TEKNOLOGIS PROFESIONAL (LEMBAGA TEKNOLOGIS MALAYSIA)	LAIN-LAIN	KEBANGSAAN

POSTGRADUATE SUPERVISION *(last 5 years)*

NO	NAME	LEVEL OF STUDY	ROLE	STATUS
1	NUR SYAHIRAH SYAFINAZ BINTI MOHD YUSOFF	MASTERS	MAIN SUPERVISOR	ACTIVE
2	LEE LI YIN	MASTERS	MAIN SUPERVISOR	ACTIVE
3	NG YONG ANN	MASTERS	CO-SUPERVISOR	ACTIVE

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)