POSTGRADUATE PROGRAMME

Master by
RESEARCH & PHD

Faculty of Computing
Fakulti Komputeran

MD Premier Digital Tech Institution

ADVANTAGES OF OUR PROGRAMME

- REAL WORLD PROBLEM ✓
- INDUSTRIAL RELATED PROJECT ✓

- MQA ACCREDITED ✓
- INDUSTRIAL ADVISORY PANEL ✓

- PASSIONATE, DEDICATED, MOTIVATED LECTURERS ✓

- ONLINE INTERACTION ✓
- ANY LOCATION AT MALAYSIA ✓
- FLEXIBLE CLASS SCHEDULE ✓

ADMISSION REQUIREMENT

Master of Science
Recognized degree with **CPA 3.00/4.00** and above or; Meet minimum numbers of working experience in related fields

Doctor of Philosophy
Recognized Degree with **CGPA >= 3.67/4.00** or; Master Degree

- English Qualification

International Student
IELTS Band 6.0 or; TOEFL Paper Based = 800 points, TOEFL Internet Based- Test (IBT) = 80
TOEFL Computer Based-Test (CBT) = 173
Otherwise must attend Pre-sessional English Course (PES)

International students with Bachelor & Master degree from Malaysia Universities do not need to provide English Test.

The certification SHOULD NOT be more than 2 years.

DURATION OF STUDIES

Full Research	Doctor of Philosophy	Master of Science
Full-Time	3 Years	2 Years
Part-Time	4 Years	3 Years

HOW & WHEN TO APPLY?
https://ips.umpsa.edu.my
(Click Online Application & Available Throughout the Year)

$ PROCESSING FEES & INTAKE PERIODS
Local Candidate - RM50
International Candidate - USD 30
Intake Periods : September & February

SCAN & JOIN NOW!

SUMMARY OF TUITION FEES FOR GRADUATE STUDENTS - RESEARCH

FIELD	PROGRAMME	METHOD	LOCAL STUDENT		INTERNATIONAL STUDENT
			Full-Time	Part-Time	Full-Time
Related Field	PhD	Conventional	RM14,600	RM13,350	RM33,575
		Remote Supervision	RM17,165	RM15,915	RM36,140
		Fast Track	RM17,165	-	RM36,140
	Master	Conventional	RM8,900	RM9,300	RM22,360
		Remote Supervision	RM10,610	RM11,010	RM24,070
Unrelated Field	PhD	Conventional	RM14,600	RM13,350	RM33,575
		Remote Supervision	RM17,405	RM16,155	RM36,380
		Fast Track	RM17,405	-	RM36,380
	Master	Conventional	RM8,900	RM9,300	RM22,360
		Remote Supervision	RM10,850	RM11,250	RM24,310

The above fees are only minimum fees per programme (Master on a full-time basis = 2 years; Master on a part-time basis = 3 years; Doctor of Philosophy on a full-time basis = 3 years; Doctor of Philosophy on a part-time basis = 4 years)

FACULTY OF COMPUTING RESEARCH GROUP

COMPUTER SYSTEM

CSRG
COMPUTER SYSTEMS RESEARCH GROUP

"To provide expertise in analyzing, designing and implementing systems"

Head of Research Group

DR. ZAFRIL RIZAL
Expertise :
Cloud Computing, Grid Computing, Mobile Computing
Email :
zafril@umpsa.edu.my

ASSOC. PROF. DR. MOHAMED ARIFF
Expertise :
Blockchain, Solution Architecture, Artificial Intelligence
Email :
mohamedariff@umpsa.edu.my

TS. DR. SYAHRUL ANUAR
Expertise :
Networking, Wireless
Email :
syahrulanuar@umpsa.edu.my

NOR AZHAR
Expertise :
Data Mining, Computer Software, Data Mining, IoT Communication Services
Email :
nazhar@umpsa.edu.my

IMRAN EDZEREIQ
Expertise :
Data Communication, Database, Pilot Plant Technology, Routers Technology
Email :
edzereiq@umpsa.edu.my

VIRTUAL SIMULATION & COMPUTING

ViSiC RESEARCH GROUP

"We strive to bridge the knowledge barrier within computer graphics, multimedia, artificial intelligence, machine learning, computational linguistics, games, modeling & simulation, geospatial intelligence, AR/VR, and immersive computing. Using AR/VR, computer games, and simulation as a tool, we believe that this barrier can be bridged to make way for new knowledge and methods which can be implemented in both entertainment and solving a real-life situation"

Head of Research Group

TS. DR. BARIAH
Expertise :
Games, Artificial Intelligence
Email :
bariahyusob@umpsa.edu.my

TS. DR. TUTY ASMAWATY
Expertise :
Games, VR/AR, Modelling Simulation, Optimization
Email :
tuty@umpsa.edu.my

SR. TS. DR. NGAHZAIFA
Expertise :
Geographical Information System, Artificial Intelligence
Email :
zaifa@umpsa.edu.my

TS. DR. SARADATUL
Expertise :
Games, AR/VR, Artificial Intelligence, VR Training
Email :
saradatulakmar@umpsa.edu.my

TS. SITI NORMAZIAH
Expertise :
Games, AR/VR, Multimedia, Web and Mobile
Email :
normaziah@umpsa.edu.my

ABBAS SALIMI
Expertise :
Games, Artificial Intelligence/ Machine Learning, Natural Language Processing
Email :
abbas@umpsa.edu.my

NORANIZA
Expertise :
Multimedia, AR/VR
Email :
noraniza@umpsa.edu.my

SOFT COMPUTING & OPTIMIZATION

Soft Computing RG

"Focuses to serve as a platform for collaboration between researcher, industry and community. our mission is to foster collaboration by providing intelligence application solution and solve optimization problem"

Head of Research Group

TS. DR. ZALILI
Expertise :
Soft Computing & Optimization, Object Tracking, Image Analysis, Prediction
Email :
zalili@umpsa.edu.my

ASSOC. PROF. DR. MOHD NIZAM
Expertise :
Intelligence Decision Support System for Real World Scheduling & Optimization, Meta-heauristics Approaches (Trajectory-based & Population Based
Email :
mnizam@umpsa.edu.my

ASSOC. PROF. TS. DR. ROHANI
Expertise :
Soft Computing & Optimization, Software Engineering Search Based, Software Development, Requirement Engineering.
Email :
rohani@umpsa.edu.my

PROF. TS. DR. AIDA
Expertise :
Artificial Intelligence, Computational Linguistic, Soft Computing, Agent-Based Systems
Email :
aidam@umpsa.edu.my

DR. MD ABDUL KADER
Expertise :
Soft Computing and Optimization, Machine Learning, Image Processing
Email :
abdkader@umpsa.edu.my

DR. MUHAMMAD ARIF
Expertise :
Soft Computing & Optimization, Machice Learning, Mobile Application Development
Email :
arifmohamad@umpsa.edu.my

DR. NURUL IZZATIE
Expertise :
ObjectTracking, Optimization, Image Analysis
Email :
izzatiefauzi@umpsa.edu.my

MOHD HAFIZ
Expertise :
Data-mining, Case-based Reasoning, Artificial Intelligence
Email :
hafizhassin@umpsa.edu.my

MACHINE INTELLIGENCE

"We focus on developing applications and software improvement by utilizing cutting edge machine learning applications in solving various industrial and real-world problems. We employ and enhance machine learning algorithms to improve condition, performance and reliability in existing automation systems"

Head of Research Group

TS. DR. ZURIANI
Expertise :
Machine Learning, Computational Intelligence, Time Series Prediction
Email :
zuriani@umpsa.edu.my

TS. DR. ABDUL SAHLI
Expertise :
Machine Learning, Artificial Neural Network, Computational Intelligence
Email :
sahli@umpsa.edu.my

TS. DR. MOHD ARFIAN
Expertise :
Machine Learning, Soft Computing, Fuzzy Systems
Email :
arfian@umpsa.edu.my

TS. DR. AZLEE ZABIDI
Expertise :
Machine Learning, Embedded System, System Identification
Email :
azlee@umpsa.edu.my

TS. DR. SYAFIQ FAUZI
Expertise :
Machine Learning, Computational Intelligence, Embedded System
Email :
syafiq29@umpsa.edu.my

ASSOC. PROF. TS. DR. SURYANTI
Expertise :
Machine Learning, Computational Intelligence, Pattern Recognition
Email :
suryanti@umpsa.edu.my

TS. DR. JUNAIDA
Expertise :
Machine Learning, Time Series Prediction, Artificial Neural Network
Email :
junaida@umpsa.edu.my

TS. DR. ZITI FARIHA
Expertise :
System Engineering, Biomedical Signals, Machine Learning, Data Mining, Software Engineering
Email :
zitifariha@umpsa.edu.my

SOFTWARE ENGINEERING

"Developing new paradigms on software engineering for developing applications and software improvement by utilizing cutting edge intelligence applications in solving various industrial and environmental problems.We employ and enhance intelligence algorithms in the broad range to improve condition, performance, and reliability in the existing automation systems"

Head of Research Group

DR. MUHAMAD IDAHAM
Expertise :
Analysing Completeness of Requirements Specification based on Meta-requirements, User-requirements Validation, Crisis and Risk Management for Business Continuity Management in IT Perspective.
Email :
idaham@umpsa.edu.my

PROF. TS. DR. KAMAL ZUHARI
Expertise :
Combinatorial T-Way Testing, Search Based Software Engineering, Computational Intelligence
Email :
kamal@umpsa.edu.my

MUHAMMAD ZULFAHMI TOH
Expertise :
DevOps, Requirement Engineering, Software Engineering Process
Email :
zulfahmi@umpsa.edu.my

TS. AZMA
Expertise :
Requirement Specification for Safety Critical Systems, Hazard Analysis for safety Critical Systems, Requirement Engineering
Email :
azma@umpsa.edu.my

DR. JAMALUDIN
Expertise :
Soft Computing & Optimization, Software Project Mangement, Intelligent Process Automation, Requirement Engineering
Email :
jamal@umpsa.edu.my

TS. DR. ROZLINA
Expertise :
Multi-criteria Decision Making, Effort Estimation in Software Development, Query Routing in Federated Database
Email :
rozlina@umpsa.edu.my

TS. AZLINA
Expertise :
Analysis & Design The Business Process & System, Organizing Software Quality Activities, Empirical Evaluation of tThe Effectiveness of Software Requirements Prioritization Methods
Email :
azlinaz@umpsa.edu.my

TS. KU SAIMAH
Expertise :
Weighted Scoring Method (WSM), Agile Maintenance, Software Engineering
Email :
saimah@umpsa.edu.my

ROSLINA
Expertise :
Human Computer Interaction, Software Quality Assurance, Software Testing
Email :
roslina@umpsa.edu.my

KNOWLEDGE ENGINEERING & COMPUTATIONAL LINGUISTIC

"To bring a human-level understanding of knowledge into computational models and systems. This includes contributions to the natural language processing (NLP) field as well as the implementation of various machine learning and expert systems. In KECL, researchers from AI and NLP backgrounds are working together towards improving methods and techniques for bridging the gap between knowledge data and computational systems"

Head of Research Group

DR. MOHD AZWAN
Expertise :
Natural Language Processing, Information Retrieval, Text Processing
Email :
azwan@umpsa.edu.my

TS. DR. NOORHUZAIMI
Expertise :
Text Processing, Classification, Sentiment Analysis, Digital Security, Information System, Decision Support System
Email :
nhuzaimi@umpsa.edu.my

DR. NUR HAFIEZA
Expertise :
Social Media Mining, Health Informatics, Deep Learning, Machine Learning
Email :
hafieza@umpsa.edu.my

TS. DR. SALWANA
Expertise :
Decision Support System, Simulation & Modeling, Biodiversity Informatics, Knowledge Representation & Machine Learning, Database
Email :
salwanamohamad@umpsa.edu.my

DR. SHAZWANI
Expertise :
Text Analysis, Sentiment Analysis, Machine Learning, Social Media Mining
Email :
nshazwani@umpsa.edu.my

TS. DR. FAUZIAH
Expertise :
Requirement Engineering, Expert System, Information Retrieval, Database Management System
Email :
fauziahz@umpsa.edu.my

TS. DR. RAHMAH
Expertise :
Adaptive System, Expert System, Information Retrieval, Data Kining and Analytic, HCI
Email :
drrahmah@umpsa.edu.my

DR. NUR SYAFIQAH
Expertise :
Data Mining, Machine Learning, Computer And Communication Technology
Email :
nsyafiqahmnafis@umpsa.edu.my

DATA SCIENCE & SIMULATION MODELLING

"Education, Research and Innovation on data analytics technology and building data scientist for providing state of art solutions"

Head of Research Group

PROF. TS. DR MAZLINA
Expertise :
Green Screen Technology Operation, Simulation Modelling and Analysis, Software Engineering
Email :
mazlina@umpsa.edu.my

DR. NOORLIN
Expertise :
Articial Intelligence, Soft Computing, Data Analytics
Email :
noorlin@umpsa.edu.my

TS. DR. AHMAD FAKHRI
Expertise :
Artificial Intelligence, Machine Learning, Pattern Recognition
Email :
afakhri@umpsa.edu.my

TS. DR. KOHBALAN
Expertise :
Bioinformatics, Healthcare, Artificial Intelligence, Machince Learning
Email :
kohbalan@umpsa.edu.my

DATABASE TECHNOLOGY & INFORMATION SYSTEM

"Using systematic computational approaches, we envision outcome that are not limited to computer science area but involves interdisciplinary area of the transformational effects of information systems on individuals, groups, and organizations"

Head of Research Group

ASSOC. PROF. TS. DR. NORAZIAH
Expertise :
Distributed Database System, Data Grid, Data Mining
Email :
noraziah@umpsa.edu.my

TS. DR. NABILAH FILZAH
Expertise :
Data Mining & Optimization, Mobile Technology, Team Formation
Email :
nabilahfilzah@umpsa.edu.my

TS. DR. NURZETY AQTAR
Expertise :
Data Integration, Quality & Management
Email :
aqtar@umpsa.edu.my

TS. DR. MOHD IZHAM
Expertise :
Data Quality, Machine Learning
Email :
izhamjaya@umpsa.edu.my

ZARINA
Expertise :
Query Processing & Data Streaming
Email :
dzarina@umpsa.edu.my

DR. ABDULLAH FAIRUZULLAH
Expertise :
Database & Network Security
Email :
fairuzullah@umpsa.edu.my

DR. SITI SALWANI
Expertise :
Data Mining, Data Analysis & Sensors
Email :
salwaniyaacob@umpsa.edu.my

EDUCATIONAL TECHNOLOGY

Head of Research Group

TS. DR. SITI SUHAILA
Expertise :
Human-Computer Interaction, Child-based Education Intervention, Machine Learning

Email :
sitisuhaila@umpsa.edu.my

ASSOC. PROF. TS. DR. ADZHAR
Expertise :
e-Learning, Information System

Email :
adzhar@umpsa.edu.my

ASSOC. PROF. TS. DR. AWANIS
Expertise :
Decision Support System, Expert System, E-Learning

Email :
awanis@umpsa.edu.my

TS. AZIMAN
Expertise :
Curriculum Analytics, Web Analytic, Data Visualization

Email :
aziman@umpsa.edu.my

TS. DR. NOOR AZIDA
Expertise :
Educational Technology, E-Learning, Personalized Learnin

Email :
azida@umpsa.edu.my

TS. DR. NUR SHAMSIAH
Expertise :
Information System, E-Learning, Educational Technology

Email :
shamsiah@umpsa.edu.my

TS. DR. DANAKORN
Expertise :
Augmented Reality, Virtual Reality, Educational Technology

Email :
danakorn@umpsa.edu.my

TS. DR. YUSNITA
Expertise :
Computational Linguistic, E-Learning, Information System, Computer and Communication Technology

Email :
junaida@umpsa.edu.my

EduTech research group

"Mainly focuses on the area of digital, creative and innovative technology aims to create more engaging, inclusivity and personalized digital learning experiences. Examples include, but not limited to E-Learning, technology-based learning trends, learning analytics, artificial intelligence, IoT, machine learning, flipped classrooms, collaborative learning environment, augmented reality and virtual reality, gamification, and also multimedia technologies"

IMAGE SIGNAL PROCESSING

Head of Research Group

TS. DR. LIEW SIAU CHUIN
Expertise :
Image Watermarking, Steganography, Image Processing, Signal Processing

Email :
liewsc@umpsa.edu.my

TS. DR. SYIFAK
Expertise :
Image Watermarking, Data Forensics, Image Processing, Data Security

Email :
syifakizhar@umpsa.edu.my

TS. DR. ANIS FARIHAN
Expertise :
Biometric System, Image Processing, Computer Vision, Pattern Recognition, Machine Learning

Email :
anisfarihan@umpsa.edu.my

ASSOC. PROF. TS. DR. FERDA ERNAWAN
Expertise :
Image Watermarking, Image Processing, Data Security, Machine Learning

Email :
ferda@umpsa.edu.my

TS. DR. SURAYA
Expertise :
Image Processing, Pattern Recognition, Computer Vision, Embedded System, FPGA Design, IoT

Email :
surayaab@umpsa.edu.my

WAN MUHAMMAD SYAHRIR
Expertise :
Image Processing, Image Enhancement

Email :
wmsyahrir@umpsa.edu.my

IMAGE & SIGNAL PROCESSING

"We aim to produce high-quality fundamental and applied research in a broad range of image processing, security-based digital image processing applications, Computer-Aided Diagnosis applications, and related areas"

COMPUTER NETWORK RESEARCH GROUP

Head of Research Group

TS. DR WAN ISNI SOFIAH
Expertise :
Wireless Sensor Network, Clustering, Fuzzy Logic, IoT

Email :
sofiah@umpsa.edu.my

TS. DR. NOR SYAHIDATUL NADIAH
Expertise :
Communication Network and Services, Wireless Sensor Network, Communication Protocol

Email :
nadiahismail@umpsa.edu.my

DR. AZAMUDDIN
Expertise :
Wireless Sensor Network, Fuzzy Logic, IoT

Email :
azamuddinrahman@umpsa.edu.my

TS. DR. HOH WEI SIANG
Expertise :
Fixed Network, Wireless Network, Routers and Technology

Email :
weisiang@umpsa.edu.my

ABDULLAH
Expertise :
Computer Security, Network Security, Network Management

Email :
abdullah@umpsa.edu.my

COMPUTER NETWORK RESEARCH GROUP

"We are multidisciplinary team of researchers specializing in various aspects of computer networking. The group's expertise spans several areas, including wireless sensor networks, Fuzzy Logic, Computer Security, Software Defined Networking (SDN), the Internet of Things (IoT) and mobility management. By leveraging their collective expertise, the group aims to advance the field of computer network"

CYBER SECURITY

Head of Research Group

TS. DR. AHMAD FIRDAUS
Expertise :
Cyber Security, AI, Intrusion Detection System, Data Visualizations, Mobile Security

Email :
firdausza@umpsa.edu.my

TS. DR. MOHD FAIZAL
Expertise :
Cyber security, Intrusion Detection System, AI, Risk Assessment

Email :
faizalrazak@umpsa.edu.my

DR. AMEERAH
Expertise :
Software Security, Threat Modeling, Cyber Security

Email :
ameerahmuhsinah@umpsa.edu.my

WAN NURULSAFAWATI
Expertise :
Information Security Forensic, Computer Networks

Email :
safawati@umpsa.edu.my

DR. AL-FAHIM
Expertise :
Software Security, Software Clone

Email :
fahim@umpsa.edu.my

DR. ZAHIAN
Expertise :
Intrusion Detection System, Malware Analysis, MANET

Email :
zahian@umpsa.edu.my

DR. SYAHRIZAL
Expertise :
Cyber security, Computer Network, Risk Assessment

Email :
syazmir@umpsa.edu.my

DR. AZIZAH
Expertise :
Computer Network, Risk Assessment, Cyber security

Email :
azizahmohamad@umpsa.edu.my

RAHIWAN
Expertise :
Cyber Security, Computer Network, Information Security

Email :
rahiwan@umpsa.edu.my

RAMIZA
Expertise :
Computer Network, Information Security, Cyber Security

Email :
ramiza@umpsa.edu.my

Cy-SIG
CYBER SECURITY INTEREST GROUP

"Proactively use threat insights to build secure-by-design architecture that meet research needs and solve security challenges in fundamental and applied research"