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Foreword FROM THE DEAN

Bismillahirrahmanirrahim Assalamualaikum W.B.T

The COVID-19 pandemic is the defining global health crisis of our time and poses the greatest challenge to the way we live and work. The Faculty of Cognitive Sciences and Human Development members (management, lecturers, administrative staff, and students) have gone above and beyond in response to this unprecedented crisis. Members engaged as volunteers to contribute face shields and food for the frontliners, and conducted the 'e-Psychoemotional Support Programme' via Facebook and counseling at the Sarawak General Hospital. I am very proud of all of you and thank you from the bottom of my heart.

I truly believe that every effort counts and the research and publications from our researchers could answer the challenges of the COVID-19 pandemic through innovation and ingenuity. The "Meet Our Researchers" column exemplifies various innovative ideas that arose in response to the pandemic. This concerted effort will remind us of humanity's shared future and enable us to positively view the adaptations and changes that are considered our "new normal" in going about our lives, work, and interactions with other people.

Last but not least, I am grateful for everyone's work and effort, especially the bulletin's committee members. Thank you and stay safe.

Associate Professor Dr Surena Sabil



Editor's Note

Welcome to FCSHD Bulletin Vol. 2 2019/2020. We aim to continue offering a medium that allows us to discover forms of expression through works of research and scholarship.

The great Neil Armstrong stated, "Research is creating new knowledge." There could not have been truer words, particularly in the current year when the world is facing the COVID-19 pandemic and research becomes essential to address the challenges in all aspects of life.

In this issue, we highlight some of our research works and publications and the ways they impact, engage, and improve our communities.

The **Meet Our Researchers** column focuses on what our researchers say about the challenges of the new normal in the COVID-19 pandemic and the potential research projects in their fields.

In this issue, we also share with you our events and activities throughout the year to promote research and publications between our faculty and community partners.

Within these pages of our second volume, we invite you to continue on this journey with us to enhance ourselves as well as the communities around us.

Dr Wan Sofiah Meor Osman

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BACHELOR DEGREES

- Bachelor of Science with Honours (Human Resource Development)
- Bachelor of Science with Honours (Cognitive Science)
- Bachelor of Counselling with Honours
- Bachelor of Psychology with Honours

MASTER BY COURSEWORK

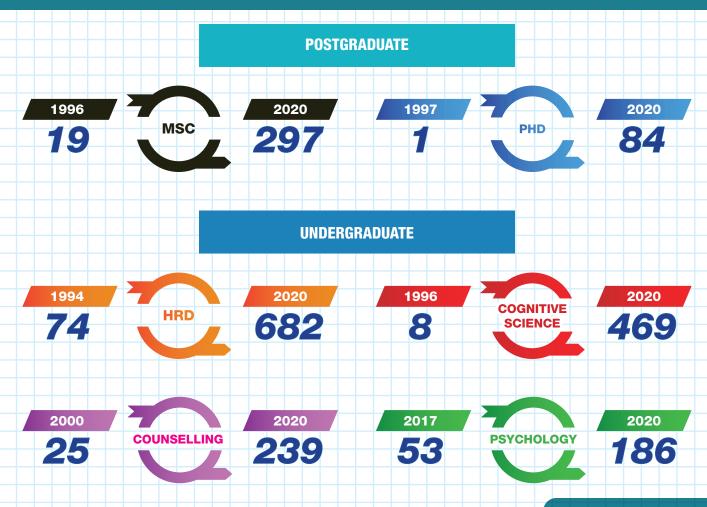
- MSc (Human Resource Development)
- MSc (Learning Sciences)
- MSc Counselling

MASTER BY RESEARCH / PHD

- Human Resource Development
- Human Development
- Cognitive Science
- Learning Sciences
- Counselling
- Psychology

COURSES OFFERED

NUMBER OF STUDENTS IN FCSHD



Journal of Cognitive Sciences and Human Development (JCSHD)

JCSHD publishes scientific articles in all fields related to Cognitive Science, Cognitive Psychology, Human Factors/Human-Computer Interaction, Learning Sciences, Computational Intelligence, Human Development, Human Resource Development, and Counselling. The JCSHD welcomes original and unpublished research articles related to both conceptual and empirical, case studies, practitioner perspectives, and book reviews. We are committed emphatically to respecting scholarly discourses which are based on a variety of ontological, epistemological, and methodological traditions of social research. JCSHD is the official academic journal of the Faculty of Cognitive Sciences and Human Development (FCSHD) of the Universiti Malaysia Sarawak (UNIMAS), Malaysia. This journal was inaugurated in September 2015 (launched in December 2015 albeit) as a peer-reviewed publication. JCSHD is a double-blind and peer-reviewed journal that is published two times a year, in March and September.











CALL FOR MANUSCRIPT FOR UPCOMING ISSUE

- Types of Article: Review Paper, Full Paper, Case Study or Book Review
- Publication Frequency: Online, one volume two issues per year
- Article Subscription Fee: Free open access
- Publication/Article Processing Fee: Free
- Website: http://publisher.unimas.my/ojs/index.php/ JCSHD/about or http://www.jcshd.unimas.my

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SELECTED PUBLICATION ABSTRACTS

Perceptions of Career Counselling Services Among Undergraduate Students

Aden, E., Amat, S., Mahmud, M. I., Annuar, A., & Ghazali, N. M. (2019). Perceptions of career counselling services among undergraduate students. *International Journal of Innovation, Creativity and Change, 7, (11), 234-249.*

The study aimed to explore the perception of career counselling services in public universities. There were two male and four female students involved in this studies. The data were collected via semi-structured interview and analysed using NVIVO-12 with case study approach. Three themes and ten subthemes were identified. Ethical counsellor, counsellor knowledge, counsellor experience and career guidance activities conducted by counsellor were the pull factors in using career counsellor services. While location of career counselling unit and student's ignorance toward counselling services were identified as the push factors. The study identified factors such

as enhancing counselling and career programme and multiple promotional activities were the main activities to improve counselling services for the targeted group. This study highlights the importance of Continuous Professional Development (CPD) and the need for career counsellors to enhance their professional development as highlighted by the Board of Counsellor. The findings may assist career counsellors to develop guidelines in providing career counselling services that fit to the needs of students in higher education.

Reversing the Lens: The Role of Followership Dimensions in Shaping Transformational Leadership Behaviour; Mediating Role of Trust in Leadership

Khan S. N., Abdullah S. M., Busari A. H., Mubushar M., & Khan I. U. (2019). The role of followership dimensions in shaping transformational leadership behavior; mediating role of trust in leadership. *Leadership and Organization Development Journal*, 41(1), 1-18.

The purpose of this paper is to investigate the role of followership dimensions in the transformational leadership process; from the traditional leader-centric perspective to emerging followership perspective and examine the role of trust as a mediating variable in the proposed relationship. Data was collected through a questionnaire from 506 respondents of the telecom sector in Pakistan. The proposed hypotheses were tested using SPSS V.23 and PROCESS V.3.1. The results indicate that selected followership dimensions positively affect all the four constructs of transformational leadership. Furthermore, trust in leadership partially mediates the direct relationship between followership dimensions and transformational



leadership constructs. This study empirically tests Shamir's (2007) "reversing the lens" perspective and extends a distinct theoretical contribution to the social exchange theory that followers are neither passive participants nor always on the receiving end of the relationship but they actively participate to establish a strong relationship with their leaders. This study is conducted in a developing country context which limits its generalisability in other cultural backgrounds. Hence, further investigation could test the role of followership using different samples and method.

Classification of Mammogram Images Using Radial Basis Function Neural Network

Ibrahim, A. O., Ahmed, A., Abdu, A., Abd-alaziz, R., Alobeed, M. A., Saleh, A. Y., & Elsafi, A. (2019, September). Classification of Mammogram Images Using Radial Basis Function Neural Network. In International Conference of Reliable Information and Communication Technology (pp. 311-320). Springer, Cham.

The main goal of this study is to present the classification method for mammogram Image using Radial Basis Function Network technique. This method focused on features extracted from the breast cancer mammogram image processing algorithms. The actual decision about the presence of the disease is then made by Radial Basis Function network classifiers. We conducted this study in five stages; collecting images, Region of Interest, features extracting, classification and end with testing and evaluating. The experimental results have shown the classification accuracy results of the RBF neural network 79.166% while MLP algorithm was 54.1667%, that illustrated the capability of the RBF network to obtain better classification accuracy results.

Insight of Autism Screening, Intervention and Its Correlation

Shminan, A. S., Sharif, S., Choi, L. J., & Fauzan, N. (2019). Insight of autism screening, intervention and its correlation. EDULEARN19 Proceedings, pp. 9531-9540. http://dx.doi.org/10.21125/edulearn.2019.2367

Autism spectrum disorder is a neurodevelopmental disorder causing an abnormality in one's social, communication and behaviour. It is diagnosed based on early-emerging social and communication impairments and the tendency to behave differently than a normal child. Global statistics report an increase in total statistics year on year. This article attempts to shed light on "What are the existing autism screening tools that are correlated with autism intervention?". A systematic review is conducted to identify the existing types of autism 'screening' and intervention including a literature search from 2010 to date. The findings indicate that it is important for parents to seek for early assistance if their child shows symptoms of autism. Screening is essential because early detection of autism may lead to early intervention further enabling a child's abilities to be improved. There exist abundant information regarding autism screening and intervention. The instruments used in the screening process are typically inexpensive and simple to administer, score, and interpret. The evaluation of the screening measures is based on sensitivity and specificity. Further research should focus on the screening process, the reliability of screening tools and the impact of interventions on social and behaviour outcomes and family relationships.

List of RESEARCHES 2019

The Faculty was granted several internal and external grants amounting to RM486,750.00 in 2019.

EXTERNAL GRANTS

SMART FUND (UNDER MINISTRY OF SCIENCE, TECHNOLOGY AND INNOVATION (MOSTI)

TOTAL: RM75,000.00



Mobile-Based Community Pepper Farm Management System for Farmer Support, Disease and Nutrient Deficiency Diagnostic

Grant value: RM75,000

Led by Assoc Prof Dr Lee Nung Kion

NATIONAL GRANT

TOTAL: RM80,000.00



Transformasi Animasi Cerita Rakyat Tradisional: Pembentukan Model Pengaplikasian dan Impak kepada Sekolah dan Masyarakat

Grant value: RM60,000 Led by Dr Lee Jun Choi



Hubungan antara Regulasi Emosi dan Kesejahteraan Subjektif Pelajar B40 di IPT Malaysia melalui Pengantara Ketahanan Diri

Grant value: RM20,000 Led by Dr Sopian Bujang

UNIMAS HOLDINGS SDN BHD (CONTRACT RESEARCH)

TOTAL: RM22,000.00



Mind Transformation by Applying Resilience Approach through Psychoeducational Programme for B40 Family Children in Kota Samarahan

Grant value: RM22,000 Led by Dr Amalia Madihie INTERNATIONAL GRANT

TOTAL: RM30,705.00



Asia Pacific Telecommunity's Ideating New Data Driven Industries Using Open Data Platforms with Young Asian Innovators

Grant value: RM24,204

SHARE website Hosting

Grant value: RM6,501

Led by Assoc Prof Dr Fitri Suraya

Mohamad Hapni Jobile

FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS)

TOTAL: RM50,000.00



Development of Policy Framework in Bridging Digital and Social Inclusion in the Semi-Rural Community

Grant value: RM50,000

Led by Dr Florianna Lendai Michael

Mulok

PROTOTYPE DEVELOPMENT RESEARCH GRANT SCHEME (PRGS)

TOTAL: RM90,780.00



Up-scaling of Online MUET Essay Scoring System with Paragraph Feedback

Grant value: RM90,000

Led by Assoc Prof Dr Lee Nung Kion

INTERNAL GRANTS

P. RAMLEE RESEARCH CHAIR (PRC)

TOTAL: RM7,500.00



Measuring the Impact of Sarawak **Cultural Heritage Information** System on User Experience (UX)

Grant value: RM7,500

Led by Dr Mohd Kamal Othman



NUSANTARA CHAIR

TOTAL: RM19,000.00

Study of Melanau Mukah Village **Livelihood Profile**

Grant value: RM14,000

Led by Dr Mohamad Hardyman

Barawi

INNOVATION RESEARCH GRANT



Socio-Economic Factors Contributing to Teenage Pregnancy: A Case Study at Taman Seri Puteri, Kuching Sarawak

Grant value: RM5,000

Led by Dr Fatahyah Yahya



TOTAL: RM44,565.00



iCogSAS - The Development of Intelligent Cognitive Science Academic Advisory System

Grant value: RM13,490

Led by Ahmad Sofian Shminan



Grant value: RM14,075

Led by Dr Victoria Jonathan



Game-Based Learning App for Sarawak Cultural Village

Grant value: RM10,000

Led by Dr Mohd Kamal Othman



FCSHD BULLETIN 2019/2020

Lung Cancer Medical Images Diagnoses Using hybrid Deep Learning with Radial Basis **Function Network Algorithm**

Grant value: RM17,000

Led by Dr Abdulrazak Yahya Saleh

Ah-Hababi



INTERNAL GRANTS

SCHOLARSHIP OF TEACHING & LEARNING (SoTL)

TOTAL: RM57,200.00



Understanding Educators' Beliefs about Transformative Teaching and Learning

Grant value: RM8,100

Led by Dr Wan Sofiah Meor Osman



Pycodevr: Immersive Visualisation Of Python Coding Using Virtual Reality

Grant value: RM12,000

Led by Dr Abdulrazak Yahya Saleh

Ah-Hababi



Strategic Development of Islamic Education Undergraduate Programme

Grant value: RM5,000

Led by Assoc Prof Dr Zaimuariffudin

Shukri Nordin



Using Gamification and Blogs: An Innovative Course Delivery and Alternative Assessment Approach in an Undergraduate Elective Course on Learning Disabilities

Grant value: RM7,100

Led by Dr Julia Lee Ai Cheng



ProgIF: Programming Instructional Framework for Cognitive Science

Grant value: RM5,000

Led by Dr Rehman Ullah Khan



Strategic Development, Implementation and Assessment of Psychology Undergraduate Programme

Grant value: RM5,000

Led by Dr Kartini Abd Ghani



Strategic Development, Implementation and Assessment of Counselling Undergraduate Programme

Grant value: RM5,000

Led by Dr Fatahyah Yahya



Strategic Development, Implementation and Assessment of Cognitive Science Undergraduate Programme

Grant value: RM5,000 Led by Oon Yin Bee



Strengthening the Curriculum for HRD Undergraduate Programme through SoTL Approach

Grant value: RM5,000

Led by Dr Hana Hamidi





Development of Policy Framework in Bridging Digital and Social Inclusion in the Semi-Rural Community

F04/FRGS/1887/2019

Florianna Lendai Michael Mulok, Nik Norsyamimi Md Nor, Helmi Sumilan, Siti Mariam Abdullah, Hana Hamidi, Victoria Jonathan, Abang Izhar Abang Ahmad

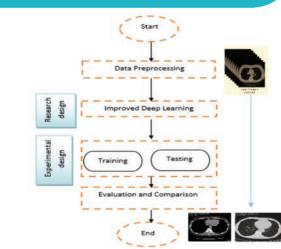
This research aims to study the development of a policy framework that can bridge the digital and social inclusion in the semi-rural community. The objectives of this study are to explore the perceptions of semi-rural community on technology adoption, study the implications of digital inclusion on social inclusion in the semi-rural community and improve current policy framework on bridging digital and social inclusion focusing on the semi-rural community. This research will be able to assist in improving the current policy framework to ensure the different needs of the different areas are covered to assist the policymakers with the approaches that enable digital economy to be implemented successfully in the country.

Lung Cancer Medical Images Diagnoses Using Hybrid Deep Learning with Radial Basis Function Network Algorithm

F04/CDRG/1839/2019

Abdulrazak Yahya Saleh Al-Hababi, Mohd Kamal Othman, Muhammad Hamdi Mahmood, Ahmad Tirmizi Jobli, Kuryati Kipli

The motivation for this work is to help to diagnose lung cancer early. Lung cancer classification is significant because most people diagnosed with this disease are within the age range of 55-65. Early diagnosis and treatment is crucial for their survival. This study aims to propose a hybrid model using deep learning to optimise the RBFN parameters. Moreover, it is to enhance Deep Radial Basis Function Network (DRBFN) learning using memetic technique. In addition, it will also evaluate the hybrid Deep Learning performance based on the selected evaluation metrics includes the accuracy, area under curve (AUC), sensitivity (SEN), specificity (SPC) and F-measure (F-Sc).



Mind Transformation by Applying Resilience Approach through Psychoeducational Programme for B40 Family Children in Kota Samarahan

RG/F04/MIND/2019

Amalia Madihie, Kartini Abd Ghani, Salmah Mohamad Yusoff, Wan Norizan Wan Hashim, Surena Sabil, Mohammad Ibrahim Safawi Mohammad Zain

The study assessed resilience among B40 families using Resilient Therapy Intervention. A psychoeducational mechanism was carried out during the experiment with ten interventions on resilience with parents and children. The resilience model was employed to assess Basics, Belonging, Learning, Coping and Core Self. The results showed the subjects were significantly different at pre- and post-test by applying Resilience Assessment Tool (RAT-43).





Mobile-Based Community Pepper Farm Management System for Farmer Support, Disease and Nutrient Deficiency Diagnostic

GL/F04/SMART/01/2019

Lee Nung Kion, Bong Chih How, Choy Yuen Khew, Mohamad Hardyman Barawi, Rehman Ullah Khan, Lau Ee Tiing, Hwang Siaw San

The main objective of this project is to develop a mobile app platform coupled with an intelligent system solution to improve the quality of services (QoS) provided by Malaysian Pepper Board (MPB) to the pepper growers. The integrated solution is designed to be the core operational platform aimed to support the increasing challenges of the current



and future business operations of MPB. The mobile and computer vision solution is aimed to enable reporting of plantation problems to the MPB and also allowed automation of diseases or nutrient deficiency diagnostic by using machine learning techniques. Growers would be able to keep in touch with the cases they reported through the mobile app platform. The app called LadaGo can increase the quality of service provided by MPB and also capturing critical business data that can be used for future development of business strategy.



Using Gamification and Blogs: An Innovative Course Delivery and Alternative Assessment Approach in an Undergraduate Elective Course on Learning Disabilities

SoTL/FSKPM/2019(1)/002

Julia Lee Ai Cheng, Chan Kim Geok, Faizah Hj Mas'ud, Fitri Suraya Mohamad Hapni Joblie

The objectives of the study were to design gamification strategies to reduce the cognitive load, enhance student engagement, and increase knowledge acquisition and application of the concepts on learning disabilities among UNIMAS undergraduate students; apply alternative assessment approach such as reflective video and online blogs as a form of authentic, contemporary, personalised, and formative assessment to enhance the learning process of the students throughout the course; and examine the cognitive load and engagement of students when using

gamification as a teaching-learning strategy. The participants of the study were undergraduate students from the medical sciences, nursing, cognitive science, and social science faculties. The results suggest that the students were highly engaged in the gamification projects, which also enhanced their understanding of learning disabilities. The findings have implications regarding the use of innovative approaches such as gamification in enhancing learning engagement and managing cognitive overload among learners.





Asia Pacific Telecommunity's Ideating New Data Driven Industries Using Open Data Platforms with Young Asian Innovators

GL/F04/APT/2019

Fitri Suraya Mohamad Hapni Joblie, Narayanan A/L N. Kulathu Ramaiyer, Johari Abdullah, Stephanie Chua Hui Li, Mohamad Hardyman Barawi, Jaya Laxshmi





The project is a continuation from a series of research projects which have been conducted through a partnership between Japan, Malaysia, Indonesia, Thailand, and Vietnam. Members are made up of industry players, researchers, and policy makers. The project was intended to create a platform for young innovators in Asia to construct ICT-based solutions for E-Health, E-Agriculture, E-Aquaculture, E-Education and E-Tourism. This project aims to develop a set of viable inter-industry stimuli of initiatives which harness on

open-source technology to capitalise on open linked data of existing knowledge, experience and skills that can create new industries for the future. To realise its goals, the project conducts a participatory ideation process with creative young Asian innovators, at the same time exposing data and technology platforms from past and current APT projects, initiatives, and standards. The ideas and technologies generated from this activity are seen to be beneficial to help enhance policies, deployment and effectiveness and conceptual frameworks for future inter-industry ICT projects in the Asia Pacific region.



Study of Melanau Mukah Village Livelihood Profile

F04/NRC/1904/2019

Mohamad Hardyman Barawi, Hasbee Usop, Zaimuariffudin Shukri Nordin, Ida Juliana Hutasuhut

Mukah is a traditional fishing village, situated at the mouth of the Mukah River lying near to the South China Sea in Malaysia. In particular, Mukah is synonym with the words "Melanau Heartland" among the local people of Sarawak due to its large population of Melanau race. For this reason, preservation of traditional knowledge is vital through the provision of resources and expertise in collection, organisation, storage and retrieval. Moreover, most of the traditional fishermen who were knowledgeable of such traditional practices have perished in maritime disasters or died of natural causes. Therefore, this study is one of the ways or method to study the livelihood of the traditional fishing village in order to preserve and sustain the cultural heritage of the Melanau Community in Mukah.

Game-based Learning App for Sarawak Cultural Village

F04/InRG/1925/2019

Mohd Kamal Othman, Shaziti Aman

Sarawak Cultural Village (SCV) is a living museum that has the potential as a learning space. However, it is lacking information delivery for the displays. Furthermore, there is no structured activity for children visitors to encourage them to engage with the displays. Though children visitors may seem to be engaged with the environment through their actions of running around when exploring the spaces, they are actually more at active play without actually understanding what they are looking at. Therefore, children visitors are losing a learning opportunity in terms of acquiring new knowledge as there are no structured activities to promote engagement and play with learning gains.





Visual design of the Game-Based Learning App

With the advancement of smart phone technologies, museums are taking this advantage to strengthen the ties with the public, broaden the spectrum of potential visitors and provide them with an experience rich in sight, emotions and educational benefits. The objectives of the study are co-designing and co-developing a game-based learning app with children for children at *Sarawak Cultural Village SCV*.

Animation Transformation of Traditional Folklore: Development of Application Model and It's Impact Towards School and Community

GL/F04/F0LK/2019

Lee Jun Choi, Merikan Aren, Ahmad Sofian Shminan, Philip Nuli Anding, Hasbee Usop, Sopian Bujang

This research analyses the adaptation process involving the use of text or original folklore that will be adapted into animation. A total of 20 folklores from different states in Malaysia will be used for this research.

The objectives of this research include:

- i) Analysis of folklore adaptation in Sarawak (East Malaysia) through comparison of original folklores and animated folklores; and
- ii) Identify the contribution and impact of animated Sarawak folklores towards the nation and younger generation, particularly in Sarawak



With researchers from UMK, UUM and UNISZA in Faculty of Cognitive Sciences and Human Development, UNIMAS

INTERNATIONAL ENGAGEMENT AND COLLABORATION

International engagements provide a positive impact to the faculty and university. Collaboration with our international partners strengthens our research ecosystem, supports scientific mobility and increases our visibility through publication, innovation, and commercialisation. We welcome global work in order to support Sustainable Developmental Goals for the benefit of humankind.





SCIENTIFIC MOBILITY

INTERNATIONAL COLLABORATIONS

GLOBAL ENGAGEMENTS OPPORTUNITIES & CHALLENGES

MEMORANDUM OF UNDERSTANDING (MoU)















Telkom University, Indonesia University of Malta, Malta

University of Reading, Malaysia

Nottingham Trent University, UK National Taipei University of Nursing and Health Science, Taiwan

BINUS, Indonesia

Yunnan University, China

MEET OUR RESEARCHERS



COGNITIVE SCIENCE PROGRAMME

For data scientists and artificial intelligence practitioners, the COVID-19 pandemic is a real test of aim. The most important question is whether you can use your expertise to help plan service in a very realistic way or write beautiful theoretical papers on models that will never see the artificial light of the clinical space.

Dr AbdulRazak Yahya Saleh Al-Hababi

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The COVID-19 crisis provides a significant valuation on the potential of learning online, including the prerequisite digital skills, the challenges of delivery, the limitation of learner's facilities and the struggle of instructors used to face-to-face instruction.

Addressing these issues could contribute to expanding online learning provisions and making it more inclusive.

Ahmad Sofian Shminan

(Research Interests: Adaptive Learning System, Recommender System, Technology Enhanced Learning)

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The COVID-19 pandemic has demanded a new normal in teaching and learning practices. It is crucial to examine how these new practices can be effectively implemented, how existing and emerging technologies can be harnessed for student learning, how various educational data can be mined to discover useful insights to enhance student learning as well as how partnerships with students can help improve existing online pedagogical practices.

Prof Dr Chen Chwen Jen

(Research Interests: Learning Design, Learning Technology, Educational Data Mining, Pedagogical Partnerships)

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The COVID-19 pandemic has taught us new ways of teaching, interacting, conducting research, and communicating impact. Potential research is on how teachers use technology in 21st Century Education.

Assoc Prof Dr Fitri Suraya Mohamad Hapni Jobile

(Research Interests: Learning Technology, Teacher Education)

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COGNITIVE SCIENCE PROGRAMME

The COVID-19 pandemic has resulted in the new normal that changed the way we live, think, solve problems, and work. The potential project related to the field of reading and learning disabilities is on the development and application of well-designed solutions for teaching and learning.

Dr Julia Lee Ai Cheng

(Research Interests: Special Education, Learning Disabilities, Use of Technology for Educational Interventions)

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The COVID-19 pandemic has caused the largest "online movement" in the history of education. The integration of technology in teaching and learning is now accelerated and eventually will become an integral component of the Malaysian education system. Let's be part of it.

Mohd Hafizan Hashim

(Research Interests: Learning Sciences, Qualitative Research Method, Social-cultural Studies, Cognition and Learning)

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The COVID-19 pandemic has changed the education landscape, and online learning is the new normal. Research on User Experience (UX) for online learning platforms is becoming more important, especially how we interact with different technologies.

Dr Mohd Kamal Othman

(Research Interest: User Experience (UX), Learning Technologies, Human-Computer Interaction, Virtual Reality)

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Since the outbreak of the COVID-19, the world has been grappling with a massive amount of news. The prevalence of social media used by the general public to express views and feelings has provided opportunities to examine those feelings through various Al approaches, specifically machine learning in social media analysis.

Dr Mohamad Hardyman Barawi

(Research Interests: Sentiment Analysis & Natural Language Processing)

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The COVID-19 pandemic has taught me that it is essential to adapt to changing circumstances. Potential research project is on examining the impact of the COVID-19 pandemic on students' learning and achievement.

Dr Norehan Zulkiply

(Research Interests: Cognitive Psychology, Cognition & Learning)

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Teaching and learning activities have changed dramatically due the COVID-19 pandemic. This has renewed research focusing on student/educator adoption to remote learning.

Nur Fatihah Mat Yusoff

(Research Interests: Teaching & Learning Mathematics, Instrument Development)

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COGNITIVE SCIENCE PROGRAMME

Due to the COVID-19 pandemic, our mind and way of thinking have likely changed over the past few months. The cognitive changes and neurological differences encountered are interesting matters to investigate.

Dr Nurul Hanim Nasaruddin

(Research Interests: Neuroimaging and Neuroscience)

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Educators can employ practices to manage students' day-to-day behaviour in a classroom setting however, many parents may find behaviour management challenging while adjusting to cybernetic or at-home education. Potential research is on the potential sociodemographic predictors of cyberbullying behaviour.

Assoc Prof Dr Prashanth Talwar Yadav

(Research Interests: Applied Statistics)

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Learning in the post-COVID-19 pandemic may be more individualistic in nature, and involves studying at home and working with computers. Research should not only focus on the cognitive-psychological aspect but also the role of the family and community in learning, and teacher and computer-supported learning.

Assoc Prof Dr Philip Nuli Anding

(Research Interests: Pupil Learning, Science & Mathematics Education, Learning in Rural Schools & Communities)

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Many elderlies are isolated as most social activities shift to online mode. Research should focus on enhancing the elderly daily life with elderly-friendly technologies to allow them to actively participate socially in the pandemic era.

Oon Yin Bee

(Research Interests: Elderly UX & Product Ergonomics)

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Virtual globalization has become essential due to the COVID-19 pandemic. Potential research is on outdoor markerless tracking and Pose Calculation system for Mobile Augmented Reality to minimize physical contact during COVID-19 pandemic.

Dr Rehman Ullah Khan

(Research Interests: Augmented & Virtual Reality, Mobile computing)

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The COVID-19 pandemic has not only impacted our daily activities but also our psychosocial well-being. In line with Sustainable Development Goal 3 (SDG3) which promotes good health and well-being, it is essential to explore the psychosocial well-being of individuals and their quality of life during and beyond the COVID-19 pandemic.

Ross Azura Zahit

(Research Interests: Psychosocial Well-Being, Quality of Life, Clinical Psychology)

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COGNITIVE SCIENCE PROGRAMME

The COVID-19 pandemic has changed our way of life in many aspects. It would be essential to learn how people learn best to acquire new knowledge and skills during this period of uncertainty.

Prof Dr Shahren Ahmad Zaidi Adruce

(Research Interests: Knowledge Management & Learning in the Community & Organization)

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Children are active subjects in the construction of their social lives and have the capacity to understand and act upon their world. Research could investigate the COVID-19 pandemic through the eyes of children.

Shaziti Aman

(Research Interests: Toys, Games & Media)

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The outbreak of COVID-19 has presented an unprecedented new challenge to many aspects of life, not least in research activities that require human interactions. We would need to be more vigilant and use creative ideas and technologies to accomplish research tasks with minimal risks to human life.

Dr Tan Kock Wah

(Research Interests: Philosophy, Neuroscience)

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Personalised learning using Artificial Intelligence (AI) and data mining techniques in digital learning. Research on how to accelerate the deployments of AI and data analytics methods in teaching and learning for schools and universities should be further explored.

Assoc Prof Dr Teh Chee Siong

(Research Interests: Artificial Intelligence, Data Science, Real-time Graphics, Educational Technology)

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The COVID-19 pandemic is changing the e-commerce landscape and e-commerce applications are being affected by rapidly changing customer behaviour and emotions to supply issues. Research could focus on emotional design and the application of a research-based design approach in this context.

Dr Wan Norizan Wan Hashim

(Research Interests: Emotional Design, User Experience (UX))

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Research on the effect of the COVID-19 pandemic on society especially children, gender and the working-class in Malaysia. At the moment I am involved in the Sustainable Development Goals with All-Party Parliamentary Group Malaysia to conduct and coordinate research before and during the COVID-19 pandemic at Parliament Bandar Kuching and Parliament Batang Sadong

Assoc Prof Dr Zaimuariffudin Shukri Nordin

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MEET OUR RESEARCHERS



The COVID-19 pandemic is an eye-opener which shows us that technological changes we find difficult to implement becomes easier under the new normal and brings us to a new technological landscape.

Assoc Prof Dr Abang Ekhsan Abang Othman

(Research Interests: Strategic HRM, Human Resource Planning)

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The current pandemic gives us the opportunity to discover new areas of Learning and Development. By enhancing the focus area in Human Resource and Development, the new-normal agenda provides us with more emphasis to look into Sustainable Development Goals in learning.

Abang Izhar Abang Ahmad

(Research Interests: Sustainable Development goals, Soul Leadership, Training & Development)

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The COVID-19 pandemic has changed the way we think and make decisions. It is crucial to explore and investigate how this pandemic shapes the way we think, the way we make decisions and help the process of problem-solving.

Assoc Prof Dr Abdul Halim Busari

(Research Interests: Leadership & Followership, Strategic Decision Making, Strategic Management)

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The COVID-19 pandemic has made the word 'safe operating procedure (SOP)', a common practice in medium to high-risk industries, a household name in Malaysia. Anxiety surrounds our society to the risk of recurring outbreaks in the event of noncompliance to 'SOP'. More research need to be done to ascertain whether flexibility rather than rigidity is a better solution in controlling outbreak within our socioeconomic environments.

Abdul Halim Hashim

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HUMAN RESOURCE DEVELOPMENT PROGRAMME

The COVID-19 pandemic has greatly affected the higher education sector in Malaysia. Research on strategies of higher education institutions in Malaysia to carry on with teaching and learning activities during the pandemic is important.

Dr Agatha Lamentan Muda

(Research Interests: Career Development, Training & Development)

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The impact of the COVID 19 pandemic on retirement planning and preparation has forced people to rethink the future. Research should be looking at the key to sustainable human development goals through a holistic approach and education.

Dayang Kartini Abang Ibrahim

(Research Interests: Retirement Planning & Preparation, Work life Balance)

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Instead of focusing on the COVID-19 pandemic, we should focus more on the underlying structural changes to the global economy with the emergence of the gig economy that impacts our idea on the safety and security of careers as well as how we perceive success. The pandemic forces us to realise the importance of the gig economy.

Farida Abdul Halim

(Research Interests: Career Development, Gender Issues in the Workplace)

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The COVID-19 pandemic tested our resilience, not just as an educator but as part of the community. This opens up research opportunities on the assessment of community resilience from the aspect of social, economy and environment. Intervention towards a sustainable community can be proposed based on the challenges identified from the assessment.

Dr Florianna Lendai Michael

(Research Interests: Sustainable Development, Resilience, Education)

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The current pandemic shed light on the methods medical professionals and frontliners were trained at medical schools. It is interesting to find out from medical professionals and frontliners about what they think should be taught during training to prepare them for a situation such as the COVID 19 pandemic.

Dr Hana Hamidi

(Research Interests: Organisational Learning, Training & Development)

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Learning must not stop with the COVID-19 pandemic. Research should explore how the pandemic will alter the future of teaching and learning in higher education and how it is changing the graduate employability.

<u>Helmi Sumilan</u>

(Research Interests: Training & Development, Workplace Learning, Employability, Human Resource Practices)

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HUMAN RESOURCE DEVELOPMENT PROGRAMME

The COVID-19 pandemic is an eye-opener for industries to rejuvenate their business strategies through people engagement. Research on the impact of the pandemic on employee wellness and the readiness of HR practitioners is vital.

Heng Chin Siong

(Research Interests: HR Practices, Career Management)

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The COVID-19 pandemic has changed the way we conduct training. Research should investigate how technology motivates trainee to learn.

Dr Mohammad Nur Azhar Mazlan

(Research Interests: Technology Enhanced Learning, Technology Motivation to Learn)

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The COVID-19 pandemic has changed people's mindsets. Opportunities to learn and grow are always available, even in challenging times.

Dr Nur Fatihah Abdullah Bandar

(Research Interests: Well-Being, Happiness, Work Life Balance, Disability Studies)

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The pandemic has affected the industrial harmony in terms of human resources practices specifically on retrenchment procedure. It impacted the quality of work-life, job search trends and workers' perspective on career development planning. These phenomena have created new insights on how human resource practitioners manage people in organisations. Further implications can be discovered through research.

Nik Norsyamimi Md Nor

(Research Interests: Career Development, **Human Resource Practices**)

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Work needs to be managed wisely during the COVID-19 pandemic. I am interested in helping individuals, pairs, teams, groups and organisations on adaption, adoption and new thinking of the work plan.

Prof Dr Rusli Ahmad

(Research Interests: Work Place Performance, Individual Adaption, Crisis Management)

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: +6082-581561 +6012-8729248 As the pandemic wears on, stress and fears of illness and economic crisis are experienced by all walks of life. It would be interesting to find out how the COVID-19 pandemic has changed the way people work, especially among working parents with special needs children on the way they cope and restore their work-life balance.

Sheilla Lim Omar Lim

(Research Interests: Work-life Interface, Time use)

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HUMAN RESOURCE DEVELOPMENT PROGRAMME

The COVID-19 pandemic is both a wake-up call and opportunity for innovation in instructional delivery. It is important to research on how academicians react and cope with the sudden changes in instructional delivery.

Dr Siti Mariam Abdullah

(Research Interests: Education Management, Leadership & HR Practices)

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It was such an alarming episode when the announcement of work from home was introduced during the first wave of the COVID-19 pandemic. It is important to research on how the pandemic has impacted employees, organisations, families and communities through the introduction of the work from home practice.

Assoc Prof Dr Surena Sabil

(Research Interests: Career Development, Work-Life Balance, Women Studies)

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The COVID-19 pandemic has severely affected the workplace in many ways, from its operation, survival and employee-employer relationship. This gives us opportunities to study how employee engagement is perceived in the current pandemic situation, and what is expected in the relationship between employer and employee.

Dr Victoria Jonathan

(Research Interests: Workplace Learning, Employee Engagement; HRD in Small Organisations)

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The COVID-19 pandemic has changed the way we work and the workers at all levels of hierarchy need to exhibit agility in this new, external, and unprecedented situation. Research that looks at the experiences of workers specifically on how workers are affected, how do they feel and how will they adapt/are adapting to the new normal is essential.

Dr Wan Sofiah Meor Osman

(Research Interests: Education, Training & Employment)

The COVID-19 pandemic teaches us to value what is the most important in our life, be flexible, reassess our way of doing things, go with the flow and demonstrates how small we are, and how much we have to depend on HIM. Research can investigate issues related to work from home; challenges and solutions; how new working arrangement influence work-life balance and quality of life; and role of religiosity in work-life balance.

Assoc Professor Dr Zaiton Hassan

(Research Interests: Work-Life Balance, Religiosity, Turnover)

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MEET OUR RESEARCHERS



COUNSELLING PROGRAMME

We have been heavily impacted in nearly every aspect of normal life by the COVID-19 crisis. This pandemic has forced counselling practitioners to reimagine the way they deal with the client situations. We need to investigate the challenges of counsellors in adjusting to this new way of practicing the field and examine the mechanism that the counsellors use to reach out to clients especially those with critical issues and in need of mental health intervention.

Dr Azzahrah Anuar

(Research interests: Counselling Ethics, Rehabilitation Counselling, Disability Issues)

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The COVID-19 outbreak is a costly yet valuable lesson for all of humanity. It gives us a deeper understanding about how important attachment system is, and its integration with psychodynamic and socialpsychological approaches, psychological distress, and human development in which individuals live.

Dr Fatahyah Yahya

(Research Interests: Attachment Research, Interpersonal Relationships, Integration of Psychodynamic & Social Psychological Approaches)

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Resilience and self-control are our home remedies to fight together the unknown entities.

Dr Amalia Madihie

(Research Interests: Children & Adolescent Counselling Studies, Resilience Studies, Counselling Intervention Development)

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The COVID-19 pandemic has a significant impact on the role of individuals in employment. A study of the role of career counselling in helping individuals adapt to the work environment in a new normal is essential.

Edris Aden

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The COVID-19 pandemic has changed human relationships from physical to virtual, making counselling services global in nature and no longer limited by distance and time.

Mohd Razali Othman

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COUNSELLING PROGRAMME

The COVID-19 pandemic caused debilitating panic, fear, and stress which results in people not being able to function as usual. We should be strong and empower ourselves to face these challenges by maintaining a healthy lifestyle and always pray for a prosperous life.

Dr Merikan Aren

(Research Interests: Application of Art Therapy in Counselling, Health Counselling, Counselling Skills and Process & Development of Counselling Module)

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+6082-581545 +6082-584503 The COVID-19 pandemic and domestic violence. The research will look at how the movement control order (MCO) affected the family since it is believed that domestic violence goes up whenever affected families spend more time together. Resilience and self-control are our home remedies to fight together the unknown entities

Nor Hasniah Ibrahim

(Research Interests: Family Related Issues, Psychosocial Issues)

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New challenges in the new era for the world community. Research should Investigate the effect of the COVID- 19 pandemic on mental health in society and how to enable counselling services to assist community in facing this pandemic.

Dr Nor Mazlina Ghazali

(Research Interests: Counselling Supervision, Instrument Development & Multicultural Counselling)

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+6082-581516 +6019-8216413 The COVID-19 pandemic has changed our priorities in daily life. In relation with counselling research, it is important to explore the creation of a new Quality World in order to become a resilient person in this new environment.

Dr Salmah Mohamad Yusoff

(Research Interests: Counsellor Education, Psychoeducational Group, Online Learning)

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The COVID-19 pandemic has changed our lifestyle 180 degree. Research should look into the positive and negative effect of the COVID-19 pandemic on our physical, psychological, spiritual, cognitive and mental health in the new normal world.

Samsiah Jayos

(Research Interests: Family Counselling, Spiritual Counselling, Islamic Counselling, Revert Counselling & Motivation)

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The COVID-19 pandemic has dramatically changed our daily lives, and families are faced with unexpected challenges and stress. Fear of uncertainty of not knowing what's coming next impacts the psychological well-being of the family. Being a mindful parent enable us to ease this challenging time by being present with our children.

Siti Norazilah Mohd Said

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MEET OUR RESEARCHERS



The COVID-19 pandemic has disrupted our comfort zone. We need to quickly process and adapt to what is happening around us, therefore, scholars, policymakers, and industries need to work hand in hand in examining the best way forward.

Dr Ida Juliana Hutasuhut

(Research Interests: Organizational Learning, Organizational Culture, Learning & Development)

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The COVID-19 pandemic highlights the importance of psychological knowledge in addressing the challenges the world is facing. How a person responds to the crisis/disasters/outbreaks is influenced by individual background and differences, and the community they live in. Research that looks into the psychological impact and associated factors of the COVID-19 pandemic in Malaysia is essential.

Dr Jamayah Saili

(Research Interests: Counselling Psychology)

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The impact on cognition and learning need to be investigated based on the new norm of online learning due to the Covid-19 pandemic. Research should explore how learners cope with the sudden changes in processing information, and the best teaching and learning strategies or techniques to support and enhance student learning experience without face to face interaction.

Dr Kartini Abd Ghani

(Research Interests: Working Memory, Cognition & Learning, Learning Sciences)

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+6082-583687 +6082-581520 Autistic children may have a low tolerance on the use of face masks and this poses a challenge as students are required to wear face masks to school due to the COVID-19 pandemic. Research on the challenges and psychological impact faced by the parents of autistic children and the caretakers at special schools or centres regarding this matter would be a special contribution to the body of knowledge.

Dr Lee Jun Choi

(Research Interests: Educational Psychology)

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COUNSELLING PROGRAMME

The COVID-19 pandemic has transformed the way we do business. Suddenly everybody goes e-commerce and online business. It is an exciting time to explore intensively into researches on online consumer psychology, and online business psychology, both theoretically, and pragmatically.

Mai Sumiyati Ishak

(Research Interests: Research Interests: Industrial Psychology, Business Psychology, Consumer Psychology)

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The COVID-19 pandemic requires active engagement in continuous reflective practice. Research that strengthens reflective practices to support educational growth with critical consideration of the COVID-19 pandemic new norms is essential.

Mohamad Azhari Abu Bakar

(Research Interests: Reflective Practice, Working Memory Capacity, and Counselling)

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The COVID-19 pandemic has changed our personal and social behaviours. Research on brain training procedures to change behaviours is needed.

Dr Muhamad Sophian Nazaruddin

(Research Interests: Brain Behaviour Modification, Psychological Assessment/Testing & Neuropsychology)

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The COVID-19 pandemic has created a serious mental health issue globally in all aspects of life, including mental health at work. An in-depth study on the effects of this pandemic on worker mental health should be explored.

Assoc Prof Dr Sopian Bujang

(Research Interests: Industrial & Organizational Psychology, Human Resource Development)

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In Appreciation...



- In memory of -**ASSOC PROF** DR NORSIAH FAUZAN

Cognitive Science Programme (1964 - 2020)



ASSOC PROF DR HASBEE USOP

Human Resource Development Programme (2020)



PROF DR MOHAMED SHARIF MUSTAFA

Counselling Programme (2019)



DR RIZAL ABU BAKAR

Psychology Programme (2020)



NEWS AND EVENTS HIGHLIGHTS 2019



RESEARCH OPEN DAY FCSHD

The FCSHD Research Open Day with the theme **Engagement and Visibility** was held on 11th – 12th September 2019 as a platform to share research opportunities and innovation development with government and private organisations. It showcased the expertise within the Faculty, certified trainers and consultants, and research projects that garnered national and international awards.













COME AND JOIN US



MSc LEARNING SCIENCES

CALL FOR ADMISSION SEPT 2021

The MSc Learning Sciences is intended for professionals interested in teaching and learning. It combines advanced knowledge and skills in the fields of Cognitive Sciences and Learning Sciences to better understand the student's learning.

PROGRAMME SCHEDULE

All classes are conducted during the weekends

LOCATION Kuching

DURATION OF STUDY

2 Years

You can contact **Program Coordinator** at Email: **nzaim@unimas.my** or Call: at **+6082-592677**

Click the link below to watch video on YouTube https://www.youtube.com/watch?v=oao1Upn8es8

MSc OCCUPATIONAL SAFETY & HEALTH

CALL FOR ADMISSION SEPT 2021

The MSc Occupational Safety & Health is intended for professionals in the field to gain career advancement and competitive advantage in the labour market, and for graduates in other fields who are interested in OSH as a career.

PROGRAMME SCHEDULE	All classes are conducted during the weekends
LOCATION	Kuching
DURATION OF STUDY	Full time : 1 Year / Part time : 2 Years

You can contact **Program Coordinator** at Email: **hahalim@unimas.my** or Call: at **+6017-8016001**

MSc HUMAN RESOURCE DEVELOPMENT

CALL FOR ADMISSION FEB, JULY & SEPT 2021

The MSc HRD is designed for professionals and fresh graduates who seek advanced knowledge, skills, and confidence in the areas of human resource development and management.

PROGRAMME SCHEDULE

All classes are conducted during the weekends

LOCATION

Kuching & Learning Centres in Kuala Lumpur,
Miri and Kota Kinabalu

DURATION
OF STUDY

2 Years

You can contact **Program Coordinator** at Email: **csheng@unimas.my** or Call: at **+6082-584508**

Click the link below to watch video on YouTube https://www.youtube.com/watch?v=AEE3XVkC850

MSc COUNSELLING

CALL FOR ADMISSION SEPT 2021

MSc Counselling Programme aims to produce professional counsellors with competence in handling adversity issues relating to individuals, families, organisations and communities. The degree is accredited by Board of Counsellor (Malaysia) and MQA. MSc Counselling has been recognised by International Association Counselling (IAC).

PROGRAMME SCHEDULE All classes are conducted during the weekends

LOCATION Kuching

DURATION OF STUDY 2 Years

You can contact **Program Coordinator** at Email: mssnorazilah@unimas.my or call: at +6082-581562/592674

Click the link below to watch video on YouTube https://www.youtube.com/watch?v=_k57LViAiil

BEd ISLAMIC EDUCATION WITH HONOURS

CALL FOR ADMISSION SEPT 2021

BEd Islamic Education provides learners with in-depth knowledge and skills, while simultaneously nurturing capacities of a high degree of professional in teaching and learning specializing in the Islamic studies and prepares learners for careers in the field of education in Malaysia.

PROGRAMME SCHEDULE All classes are conducted during weekday

LOCATION Main Campus (Kota Samarahan)

DURATION OF STUDY 4 Years

You can contact **Program Coordinator** at Email: **nzaim@unimas.my** or Call: at **+6082-592677**