

BIT@FK

DEC 2021 EDITION

FACULTY OF COMPUTING



اونيورسيتي مليسيا قهغ

UNIVERSITI MALAYSIA PAHANG

FAKULTI KOMPUTERAN

A photograph of the Faculty of Computing building, featuring a modern design with vertical wooden slats and blue and yellow accents. A group of students wearing face masks are sitting on a green and yellow sofa in the foreground, posing for the camera. The text 'FAKULTI KOMPUTERAN' is overlaid on the right side of the image in a large, blue, stylized font.

FAKULTI
KOMPUTERAN

- + Top 2% of Scientists!
- + Cisco Premier Status!
- + IJSECS in MyCite!
- + ITEX Awards 2021
- + Fortifiers of Flood disaster relief 2021

Highlights

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EDITOR'S FOREWORD

Dear readers of bit@FK!

Warm Greetings!

On behalf of the editorial board of the Faculty of Computing (FK) bulletin 2021, I would like to welcome you to the faculty's last edition of the year

This edition will benefit you with the updates of the important activities and achievements of FK from October to December 2021.

I take this opportunity to thank FK Deputy Dean for Academics, Associate Professor Dr. Rohani Abu Bakar for her support.

I would like to thank all the editorial members, committed designers and authors for their immense hard work to make this happen.

I wish to extend my sincere appreciation to each of you for your hard work and contributions despite the nation-wide Covid-19 pandemic and flood disaster.

Should you be interested in past editions of BIT@FK, please find us at <https://fk.ump.edu.my/index.php/en/others/happenings-fk/bit-fk>

Kind Regards!

BULLETIN TEAM

Patron

Associate Professor Ts. Dr. Adzhar Kamaludin

Chief Editor

Dr. Mritha Ramalingam

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Izyan Husna Ibrahim

Mohammad Badrul Alam Miah



FACULTY ACTIVITIES

FK FAMILY: WARMEST CONGRATULATIONS TO
FK STAFF ON THEIR NEW APPOINTMENTS!



Associate Professor Ts. Dr. Mohd Nizam Mohmad Kahar
Deputy Dean
Institute Of Postgraduate Studies



Dr. Jamaludin Sallim
Deputy Dean (Research and Postgraduate Study)
Faculty Of Computing



Dr. Noor Azida Sahabudin
Head Of Program (Computer Science)
Faculty Of Computing



Dr. Al-Fahim Mubarak Ali
Head Of Technical, Center for Instructional Resources
And E-Learning (CIReL)



Ts. Dr. Syahrulanuar Ngah
Head Of Technical
Faculty Of Computing



Associate Professor Ts. Dr. Mohd Nizam Mohmad Kahar
Thank you for your contribution as
Deputy Dean (Research &
Postgraduate Study)



Dr. Zuriani Mustaffa
Thank you for your contribution as
Head of Program (Computer
Science)



Dr. Mohd Azwan Mohamad@Hamza
Thank you for your contribution as
Head of Technical

★ Thank you ★
— FOR —
★ YOUR ★
★ SERVICE ★

FK FAMILY: CORDIAL WELCOME TO NEW STAFF

Welcome
to the team



Dr. Azamuddin Ab Rahman
Senior Lecturer

FK FAMILY: FOND FAREWELL



Che Yahaya Yaakub



**Associate Professor
Dr. Md. Arafatur
Rahman**



**Associate Professor Dr.
Abdulrahman Ahmed
Mohammed Al-Sewari**



**Dr. Abdullah Nasser
Mohammed Abdullah**



**Dr. Taha Hussein
Rassem**

“Thank you for the support and encouragement during your tenure with FK. We will remember you with warm thoughts and memories. Best wishes to you in the future endeavour.”

PROMOTION ON THE ACADEMIC POST

Congratulations Dr. Ts. Syahrulanuar Ngah.



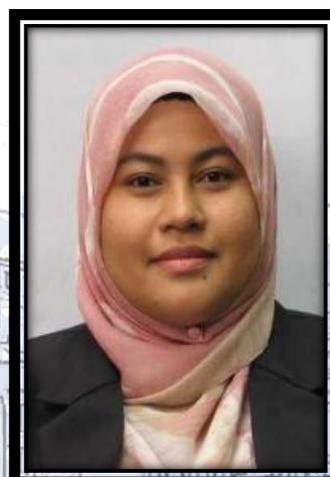
SECOND ROUND APPOINTMENT AS DIRECTOR OF CENTRE FOR INFORMATION COMMUNICATION AND TECHNOLOGY (PTMK)

Congratulations Associate Professor Dr. Mohamed Ariff
Ameedeen.



HAS SERVED 13 YEARS

Congratulations on the promotion to Ismalina Mohd Isah and Syarifah Azlin Syed Yusop.



MICROSOFT COURSE PROGRAM POWER POINT (INTERMEDIATE)

By: Dr. Nabilah Filzah Mohd Radzuan

PEKAN, 30 December 2021 - Congratulations to Azlina Zainuddin who was invited as a speaker for the Microsoft course program Power Point (Intermediate) to MP staff which was, organized by the Islamic Center and Human Development (PIMPIN), UMP.



FK-PKZ COLLABORATION

By: Dr. Nabilah Filzah Mohd Radzuan



PEKAN, 30 December 2021 – Congratulations to FK team especially Dr. Jamaludin Sallim, Ts. Dr. Noorhuzaimi@Karimah Mohd Noor, Dr. Junaida Sulaiman, and Dr. Zalili Musa, for their work hard to introduce our faculty programs to Zakat Collection Centre (PKZ).

VISIT TO CYBERSECURITY MALAYSIA

By: Dr. Nabilah Filzah Mohd Radzuan



PEKAN, 29 December 2021 – The UMP team has visited the Cybersecurity Malaysia (CSM), Putrajaya in December 2021. The team was accompanied by CSM's Digital Forensics experts and they had visited many labs of CSM including Security Operation Centre, Digital Forensic Lab, Training Lab and Research Lab. The discussion included the potential future research collaboration with FK and Industry

placement of FK students. The discussion was held with the representatives of CSM and UMP team, Deputy Vice-Chancellor (Academic and International), Professor Ts. Dr. Mohd. Rosli Hainin and FK academicians, Associate Professor Ts. Dr. Adzhar Kamaludin, Dr. Jamaludin Sallim, Dr. Ahmad Firdaus Zainal Abidin and Dr. Syifak Izhar Hisham.

MEETING WITH KANEKA MALAYSIA

By: Dr. Nabilah Filzah Mohd Radzuan



PEKAN, 29 December 2021 – The FK held a meeting with Kaneka (M) together with COE SDIC Kaneka companies in Malaysia was established in 1995 as Kaneka's Asian base, want to contribute to the life of people around the world and environmental evolution through chemistry and provide valuable solutions globally. This meeting has occurred to support each other between FK and Kaneka for future engagement.

The meeting involved the representatives of Kaneka Malaysia and Associate Professor Ts. Dr. Adzhar Kamaludin, Dr. Jamaludin Sallim and Associate Professor Dr. Rohani Abu Bakar.

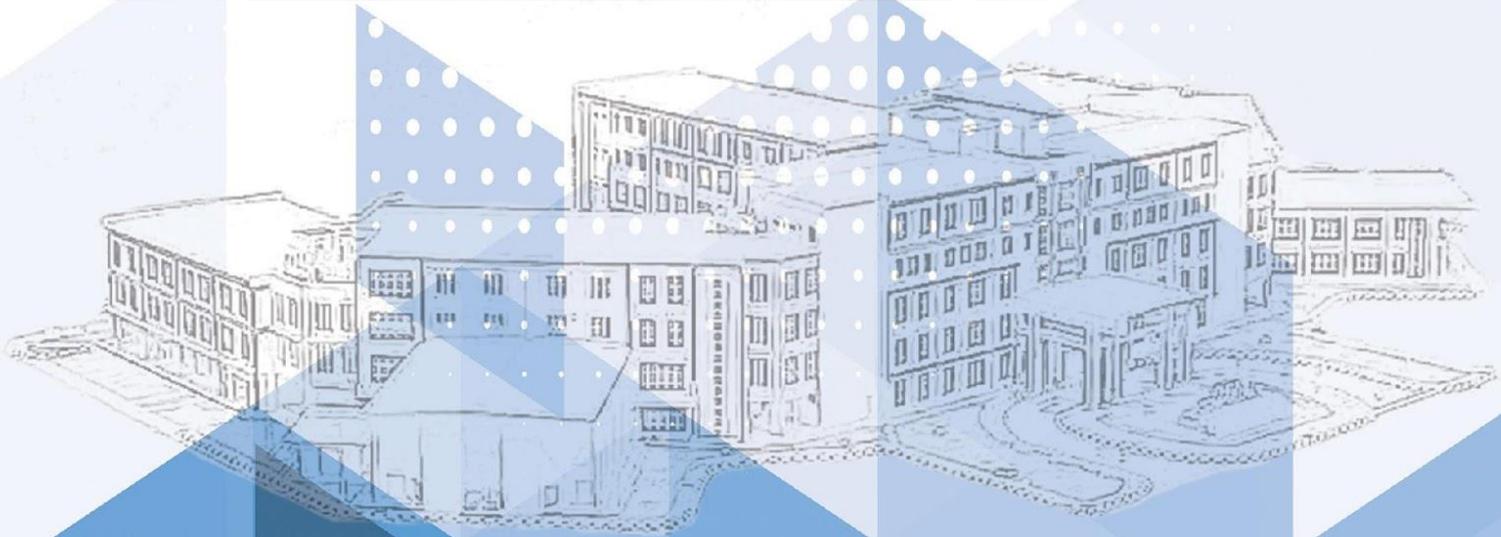
VISIT FROM THE EDUCATIONAL TECHNOLOGY RESOURCE SECTOR

By: Dr. Nabilah Filzah Mohd Radzuan

PEKAN, 29 December 2021 – FK received a visit from Educational Technology Resource Sector (SSTP), Pahang State Education Department. As a result of the visit, they are willing to collaborate with FK in the following activities, included act as co-organiser for Ice-Inno 2022 which involves



participation in school projects throughout Pahang, having some workshop or TOT digital skill in a few areas in Pahang, placement of Industry Training students, and many more.



E-Learning Innovative Transformation for Rural Connectivity

By: Dr. Nabilah Filzah Mohd Radzuan



PEKAN, 28 December 2021 – The FK teams have launched an e-Learning Innovative Transformation for rural connectivity (e-LITE). The eLITE RC team, includes FK academicians, Associate Professor Ts. Dr. Adzhar Kamaludin, Dr. Al-Fahim Mubarak Ali, Dr. Mohd Zamri Osman and Dr. Danakorn Nincarean Eh Phon.

FK FLOOD RELIEF MISSION

By: Dr. Nabilah Filzah Mohd Radzuan



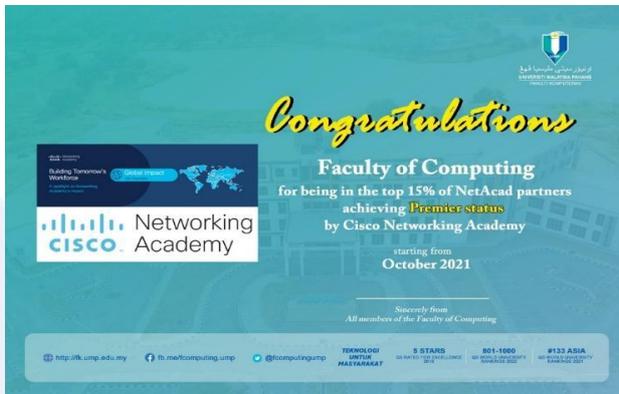
KUANTAN, 21 December 2021 - FK Comunity teams working together to help ease the burden of flood victims. Among the affected locations include:

1. Taman Seri Inderapura
2. Taman Guru
3. Lorong Seri Inderapura
4. Perkampungan Cenderawasih
5. Taman Pandan Damai
6. Taman Tas Jaya
7. Teluk Mahang
8. Kampung Chendering

FK Community Teams will continue together to give support, help and concerned with this flood situation. Let's work together to lighten the loads.

TOP 15% OF NETACAD PARTNERS

By: Dr. Nabilah Filzah Mohd Radzuan



PEKAN, 16 December 2021 - Congratulations to FK for being in the top 15 percents of NetAcad partners, achieving Premier status by Cisco Networking Academy.

ITEX'21

By: Dr. Nabilah Filzah Mohd Radzuan

Source from: Mimi Rabita Abdul Wahit, Corporate Communications Unit, Office of the Vice Chancellor (PNC)



KUALA LUMPUR, 14 December 2021 - UMP won the ITEX Golden Award for winning 19 gold, nine silver and two bronze medals in the International Invention, Innovation and Technology Exhibition (ITEX) 2021 held at the Kuala Lumpur Convention Center. The award was presented by the President of the Malaysian Invention and Design Society (MINDS), Tan Sri Augustine SH Ong to Professor

Ts. Dr. Yuserrie Zainuddin who performs the function of Vice Chancellor of UMP in conjunction with the Creative Culture Night 2021. Congratulation to all winners and participants. Hearty congratulations to the following FK acadamecians for securing medals in ITEX 2021!

Gold Medal

1. Associate Professor Ts. Dr. AbdulRahman Ahmed Alsewari
2. Dr. Syifak Izhar Hisham

Bronze Medal

1. Ts. Dr. Mohd izham Mohd Jaya

INDUSTRIAL TALK

By: Dr. Nabilah Filzah Mohd Radzuan

Graphics & Multimedia Department
Industrial Talk #2

**Virtual Reality:
An overview of VR
Tools and Tips to
choose the right
tools**

Live from California, U.S via:

Zoom Meeting
960 7945 7969: Meeting ID
636050 : Passcode

Faculty of Computing - FK UMP

Speaker
Mr. Paul Elliot
3D Software Developer
VizWorkshop.com

Scan for Registration:

<https://bit.ly/3rupQ3K>

MYT Time Zone
Saturday
Dec 4,
10AM-12PM

Everyone is invited
*Compulsory for
BCM3103 Virtual Reality*

PEKAN, 4 December 2021 – The FK has organized a webinar to share the implementation of industry experience especially in Virtual Reality tools and tips to choose the right tools, with the title: Virtual Reality: An Overview of VR Tools and Tips to Choose the Right Tools.

The speaker for this talk was given by Mr Paul Elliot (3D Software Developer); Live from California, USA via ZOOM Meeting. Many FK students have participated and gained a good knowledge on VR tools from this talk.

INDUSTRIAL TALK

By: Dr. Nabilah Filzah Mohd Radzuan

Industrial Talk

**Big Data
Analytics:
Emerging Trends
and Future
Impacts**

Ts. Dr. Afnizanfaizal Abdullah is the Chief Executive Officer and co-founder of Synapse Innovation Sdn. Bhd., a Malaysia leading company that provides artificial intelligence (AI), big data analytics, and cloud computing solutions for the manufacturing, healthcare, and agriculture sectors.

Speaker
Ts. Dr Afnizanfaizal
CTO Aerodyne Sdn Bhd
CEO and Co-founder Synapse innovation


<https://bit.ly/FKBDA>

Dec 1,
10AM-12PM

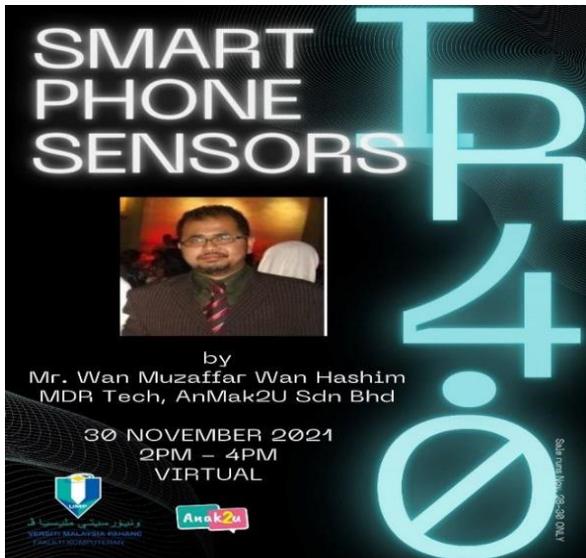
Everyone is invited
*Compulsory for
MCT1071 Business Intelligence & Analytics
DCI3293 Emerging Technology*

PEKAN, 1 December 2021 – The FK has organized a webinar to share the implementation of industry experience especially in big data analytics. The talk was given by Ts. Dr. Afnizanfaizal; via Google Meet on the title, 'Big Data Analytics - Emerging Trends and Future Impacts.' for the FK students.

Big data is a field that treats ways to analyze, systematically extract information from, or otherwise deal with data sets that are too large or complex to be dealt with by traditional data-processing application software.

TECHNICAL TALK

By: Dr. Nabilah Filzah Mohd Radzuan



PEKAN, 30 November 2021 - A guest lecture on, 'Smart phone Sensors IR 4.0' was conducted in UMP. Several UMP students and staff have participated in this lecture. The speaker for this talk was given by Wan Muzaffar Wan Hashim, MDR Tech, AnMak2U Sdn. Bhd. The talk focused more on the mobile application. The participants gained knowledge software application designed to run on smartphones, tablet computers and other mobile devices.

HUAWEI SERVICES (HK) TRAINING

By: Dr. Nabilah Filzah Mohd Radzuan

PEKAN, 20 November 2021 – Huawei Services has conducted a five days training for UMP staff and students in order to increase and gain knowledge in Huawei Technology. Besides, this Huawei Services (HK) launched a HarmonyOS - One as All, All as One Webinar. Several UMP students and staff have participated in the webinar and gained knowledge on latest technology with Huawei Services.

HarmonyOS - One as All, All as One

Unified OS for all device forms

19 NOVEMBER 2021

3:00 PM - 4:30 PM



Dr. ADZHAR KAMALUDIN
Dean of Faculty of Computing
University Malaysia Pahang
Malaysia



ASHARALI V U
Technical Project Lead
Harmony OS & HMS Expert
Huawei India



SANGHATI M
Lead Trainer
Harmony OS & HMS Expert
Huawei India



TAN WEI CONG
Senior Engineer
Harmony OS & HMS Expert
Huawei Malaysia

SCAN QR COD



Join Webinar Throug
UMP Facebook Gro

- An Introduction to HarmonyOS
- An Introduction to DevEco IDE
- Demo Application
- Step by Step Free Huawei ID Creation

MoU with MALAYSIAN YOUTH DEVELOPMENT RESEARCH INSTITUTE (IYRES)

By: Dr. Muhammad 'Arif Mohamad

PUTRAJAYA, 20 November 2021 - A memorandum of understanding (MoU) of strategic cooperation was signed between the IYRES and UMP which took place at the Podium Hall, Ministry of Youth and Sports Tower, Putrajaya.

The MoU signing event involved the Chairman of the Board of Directors of IYRES, Dr. Muhammad Mahadi Mohamad and Professor Dato' Ts. Dr. Yuserrie Zainuddin, who acts as UMP Vice-Chancellor and also present were the Chief Executive Officer of IYRES, Dr. Vellapandian Ponnusamy, Deputy Vice-Chancellor (Research and Innovation) of UMP, Professor Ts. Dr. Kamal Zuhairi Zamli, Dean of FK, Associate Professor Ts. Dr. Adzhar Kamaludin and few FK and UMP academicians as representatives



WEBINAR ON MACHINE LEARNING and DATA SCIENCE: THE FUTURE IMPACTS

By: Dr. Muhammad 'Arif Mohamad

PEKAN, 18 November 2021 - FK has organized a webinar to share about Machines Learning and Data Science: The Future Impacts. This talk focused more on what is data science and what is gained through scientific data knowledge.

The talk was given by Dr. Mohd. Zamri Osman, Certified Data Science Analyst and Data Engineer. Many FK students and UMP staff have attended the talk and gathered knowledge on machine learning.

TRAINING ON HYBRID METAHEURISTICS AND ITS APPLICATION

By: Dr. Muhammad 'Arif Mohamad

BACK BY POPULAR DEMAND!!!

HYBRID METAHEURISTICS AND ITS APPLICATIONS: FROM THEORY TO IMPLEMENTATIONS

LEVEL 1

Training Duration : 2 Days

NOTES & CODES PROVIDED

COURSE OUTLINE

- Introduction to metaheuristics
- Single agent vs population based metaheuristics
- The case for hybridization
- Low level hybrids
- Relay based high level hybrids
- Cooperative based high level hybrids
- Adaptive Controls
- Adaptive parameters
- Adaptive operator selection
- Adaptive population
- Adaptive chaotic maps
- Adaptive opposition based learning

Training Fees:

Individual:	Group (min 3 pax):
Student : RM110 / pax	Student : RM100 / pax
Non-student : RM160 / pax	Non-student : RM150 / pax

10% discount when you register for level 2

Training dates:
8 - 9 November 2021 (Online)
(Level 2 - Multi-tasking Optimization will be conducted in December 2021 or early 2022)

Trainer:
Professor Ts. Dr. Kamal Z Zamli
Deputy Vice-Chancellor (Research & Innovation) UNIVERSITI MALAYSIA PAHANG
Professor in Search-based Software Engineering Optimization
Research Fellow at the Centre for Software Development & Integrated Computing

Organized by: CENTRE FOR SOFTWARE DEVELOPMENT AND INTEGRATED COMPUTING, UNIVERSITI MALAYSIA PAHANG

Register at: [QR Code]

FOR ENQUIRIES, PLEASE CONTACT Pn. NAGHUA -0019-6222410

PEKAN, 10 November 2021 - A training on 'Hybrid Metaheuristics and its Applications: From Theory to Implementations' was organized by Centre for Software Development and Integrated Computing, UMP. The training was conducted by the expert in search-based Software Engineering, Deputy Vice Chancellor of Research and Innovation, Professor Ts. Dr. Kamal Zuhairi Zamli. This course aimed to introduce the basic of metaheuristic algorithms. Additionally, the course also elaborated on different types of hybridization for metaheuristic algorithms. More precisely, the course illustrated how to build low level hybrid, relay based high level hybrid, cooperative high-level hybrid and hyper heuristic from scratch. Finally, the course also introduced how to support multi-tasking optimization (MTO) approach to simultaneously solve more than one optimization problem in a single run. Even experts in metaheuristic algorithms will find it useful with advanced topics in hyper heuristics and multi-tasking optimization.

BUILD AN INTERACTIVE MACHINE LEARNING WEB APPLICATION

By: Dr. Muhammad 'Arif Mohamad

PEKAN, 8 November 2021 - The FK and the Centre for Software Development and Integrated Computing, UMP has organized a webinar on 'Build an Interactive Machine Learning Web Application'. The speaker of this talk was Certified Data Science Analyst and Data Engineer, Dr. Mohd. Zamri Osman. Several participants had attended the training and gained the benefits of this webinar.

6-7 November 2021

Build an Interactive Machine Learning Web Application

Registration:
RM100 (pax) Online Registration (for 0 pax)
RM150 (pax) Individual registration
**limited to 30 participants*

Synopsis
Machine learning is a powerful technique that has been used widely in many applications. It has been part of the Data Science lifecycle where to predict or forecast data. By the end of this course, you are going to get comfortable with using Python and the web app framework to build beautiful and interactive web apps with zero web development experience. We are going to load, visualize, and interact with data, and generate dashboards in less than 100 lines of Python code. Learn how to classify the data by designing your web app to choose what classification algorithm to use and let them interactively set the hyper-parameter values, and deploy it to the cloud.

Pre-requisite
Prior experience with Python script and using pandas for data manipulation is recommended. Basic understanding of machine learning algorithms such logistic regression, support vector machine, and random forest classifier and how to use the Scikit-learn.

DAY 1: 6 NOV 2021

Morning Session:
Introduction to Data Web App
Machine Learning
Basics on Python Script
Using simple Python script into Web App
Creating a web app
Deploy on AWS, fetch some data
Deploying data

Evening Session:
Data Visualization
Local model deployment
Build-in graphing functions
Data in visualization option: Plotly, Matplotlib

DAY 2: 7 NOV 2021

Morning Session:
Introduction to Web App
Class study #1
Local dataset, and create training and test
Train on AWS, logistic regression and
Train on AWS, support vector classifier

Evening Session:
Web App Deployment
Class study #2
Build-in ML model to
Deploy ML apps to the cloud
Tips and tricks

Trainer: Dr. Mohd. Zamri Osman
Faculty of Computing, Centre of Computing & Applied Sciences, Universiti Malaysia Pahang
Certified Professional Data Scientist, Certified Big Data Analyst

Organized by: Centre for Software Development and Integrated Computing, Faculty of Computing & Applied Sciences, Universiti Malaysia Pahang

Contact person: Puan Nuzul Huda, Puan Nurhasanah
0019-6222410, 0019-6222410
nuzulhuda@ump.edu.my, nurhasanah@ump.edu.my

CYBER SECURITY GUEST LECTURES

By: Dr. Muhammad 'Arif Mohamad

PEKAN, 4 November 2021 – FK has organized a guest lecturer on Ethical Hacking and Computer Forensic. The speaker of this talk was Intellize Tech Services, Rahul Thomas. This guest lecture also was a series of guest lectures which were conducted on 27 October 2021 with the title 'Understand the Concept of Privacy in the Cyber World and the Intellectual Property Rules' by FK Alumni, Dr. Abigail Koay, The University of Queensland and A case Study: An investigation on the Nation-state on 3 November 2021 by Azri Hafiz Ab Rahman from SysArmy, Malaysia. The participants were several UMP students and staff. The lectures were very informative and the participants were benefited with current updates on cyber security.



UNIVERSITY FOR SOCIETY (KPT)

By: Dr. Nabilah Filzah Mohd Radzuan

PEKAN, 24 October 2021 – The team now back in Setiu. The members of U4S UMP team were Dr. Rozlina Mohamed, Dr. Suraya Abu Bakar, Dr. Yusnita Muhamad Noor and Dr. Siti Suhaila Abdul Hamid join the mission. The Dean of the Faculty of Computing, Associate Professor Dr. Adzhar Kamaludin as the project advisor who monitors the project so that this project can be developed by FK residents in the state of Pahang.

The team faced eighteen members of the Setiu fishing community whom we shared the knowledge among each other

on the basics of the fishing application that has been developed. The various interesting memories were experienced, including the response and antics of the fishermen which were very entertaining. Since a week ago, the team met with a delegation from the Director of the Industry and Community Cooperation Division (BKIM) Ministry of Higher Education (MOHE), Datuk Sharil Abdullah to present the progress of the UMP project and get the positive feedback from him.



COMMUNICATE EFFECTIVELY AT WORK

By: Dr. Muhammad 'Arif Mohamad

PEKAN, 22 October 2021 – The FK has organized an online workshop on 'Communicate effectively at work' in collaboration with Human Resource Department, Registry Department, UMP. The keynote speaker of this workshop was the Google Applied Digital Skills Ambassador and FK Academician, Ts. Aziman bin Abdullah. Several students and staff have attended the workshop. The workshop exposed the participants with Google Workspace tools based on Google lesson or training module. The tools covered Google Docs, Google Forms, Gmail, Google Calendar, Google Meet, Google Sheets and Google Slides that emphasize on skill development on collaboration and collecting feedback.

ONLINE WORKSHOP

Google Workspace Communicate Effectively at Work

22nd OCT 2021 | Friday 10:00am - 12:00pm

JOIN US

Join MS Teams <https://tinyurl.com/vs9by7awn>

Ts. Aziman bin Abdullah
Google Applied Digital Skills Ambassador

Training Outline
At the end of the course, each participant is expected to be able to use collaboration and collecting feedback skills using Google Workspace digital tools.

Lessons

- Facilitate a Team Meeting
- Collect Feedback with Google Forms
- Communicate Ideas in a Proposal
- Present Information About Your Job

Who should attend

- UMP Staff.

*CPD point will be counted to all UMP staff.

Keynote Speaker
Ts. Aziman bin Abdullah is an official Google Applied Digital Skills Ambassador. He received MSc in Internet Computing from University of Surrey, UK in 2004. Since then, he has explored various cloud platforms in supporting digital transformation. He has vast experience in using Google digital tools for administration and learning, either as end user or developer (Google Cloud Platform).

Synopsis
This hands-on workshop will expose participants with Google Workspace tools based on Google lesson or training module. The tools covered Google Docs, Forms, Gmail, Calendar, Meet, Sheets and Slides that emphasize on skill development on collaboration and collecting feedback.

In collaboration with Human Resource Department (HRD), Registry Department.

UMPMalaysia | TEKNOLOGI LINTAS MASYARAKAT | 5 STARS | 751-800 | #133 ASIA

WORKSHOP ON EFFECTIVE ARTICLE WRITING

By: Dr. Muhammad 'Arif Mohamad

RM 10

KEMENTERIAN PENGAJIAN TINGGI | KOLEJ KOMUNITI PAYA BESAR

Bengkel Penulisan Kajian Efektif :

PENDEDAHAN STRATEGI PENCARIAN BAHAN PENULISAN DAN PENGGUNAAN PERISIAN 'MENDELEY'

ONLINE PLATFORM : GOOGLE MEET

Penceramah :
Ts. Aziman bin Abdullah, Pensyarah Universiti Malaysia Pahang

Anjuran:
Unit Pengajaran Sepanjang Hayat (PSH),
Kolej Komuniti Paya Besar

TARIKH : 15 OKTOBER 2021 (JUMART) | MASA : 8 : 00 Pagi - 5 : 00 Petang

UNTUK MAKLUMAT LANJUT BOLEH HUBUNGI PENYELARAS PUAN HALIMAH 017-4690169 / PUAN SHUDIANI 017-3816185

Scan Me

PEKAN, 20 October 2021 – Kolej Komuniti Paya Besar has organized a workshop on effective article writing: *Pendedahan Strategi Pencarian Bahan Penulisan dan Penggunaan Perisian Mendeley* on 15 October 2021. The student and staff of Kolej Komuniti Paya Besar have participated in this workshop. The objective of this workshop was to expose the participants with the fast and effective strategy in article writing. Participants also were exposed with the use of Mendeley software in assisting their article writing. This workshop was conducted by FK academician, Ts. Aziman bin Abdullah.

COVID-19 VACCINATION CENTER (PPV) UMP PEKAN VOLUNTEER OFFICERS

By: Dr. Nabilah Filzah Mohd Radzuan

PEKAN, 20 October 2021 - PPV UMP Pekan: Infinite thanks to all the volunteers who poured their energy and contributed your precious time all days for six months operation.



MANAGING PRODUCTION AND ETHICAL PRACTICES IN MULTIMEDIA INDUSTRY

By: Dr. Muhammad 'Arif Mohamad

PEKAN, 20 October 2021 – A webinar on Managing Production and Ethical Practice in Multimedia Industry was organized by FK. The speaker for this talk was Syazwan Nizam Moni from Bangsawan Picture. Several FK students and staff have participated in this webinar and gained a good knowledge on Multimedia industry in Malaysia.

The poster includes the following information:

- Event Title:** MANAGING PRODUCTION & ETHICAL PRACTICES IN MULTIMEDIA INDUSTRY
- Date:** 20.10.2021 Wednesday
- Time:** 8.15 PM
- Organizer:** Faculty of Computing - FK UMP
- Speaker:** SYAZWAN NIZAM MONI, Founder & Manager of Bangsawan Pictures
- Registration:** SCAN TO REGISTER (with QR code)
- Website:** <https://fk.ump.edu.my/>
- Social Media:** Faculty of Computing - FK UMP (@fcomputingump)
- Logos:** University of Malaysia Pahang (UMP) and Faculty of Computing UMP.

FUNDAMENTAL OF SECURE SOFTWARE DEVELOPMENT

By: Dr. Muhammad 'Arif Mohamad

PEKAN, 8 October 2021 - A training on 'Fundamental of Secure Software Development' was conducted on 6 and 7 October 2021. The training was organized by Center of Software Development and Integrated computing, UMP. Many students and staff have participated in the training and gained knowledge on secure software development. The training was given by FK academician, Head of Technical, CIReL, UMP, Dr. Al-Fahim Mubarak Ali.

FUNDAMENTAL OF SECURE SOFTWARE DEVELOPMENT LEVEL 1
6-7 OCTOBER 2021

MODULE 1: CONCEPT OF SECURE SOFTWARE DEVELOPMENT - SECURE CODING FROM SDLC PERSPECTIVE

MODULE 2: SECURE SOFTWARE DEVELOPMENT VULNERABILITIES GUIDELINES FROM OWASP & CWE SANS 25

MODULE 3: SECURE SOFTWARE DEVELOPMENT VULNERABILITIES: IO VALIDATION & CODE MALPRACTICE

MODULE 4: SOFTWARE SECURITY VULNERABILITIES: ANALYSIS TOOLS APPLICATION

TRAINING FEE:
RM 70 - INDIVIDUAL REGISTRATION
RM 60 - GROUP REGISTRATION (MIN 3 PAX)

TRAINER: DR AL-FAHIM MUBARAK ALI

CONTACT US
PN. NASHA:
-60 19-62224 10
PN. MAZLIANA
-60 17-9017880

REGISTER HERE

ORGANISED BY:
CENTRE FOR SOFTWARE DEVELOPMENT AND INTEGRATED COMPUTING
UNIVERSITI MALAYSIA PAHANG

MINDS 2021

By: Dr. Nabilah Filzah Mohd Radzuan

MINDS 2021
Slot Fakulti Komputeran (FK)
G-Drive Resources Link: bit.ly/minds_fk

Selamat Datang
Mahasiswa Baharu
Kemasukan Ijazah Sarjana Muda
Sesi 2021/2022

ikhtis daripada
Seluruh Warga PETAKOM dan
Fakulti Komputeran
Universiti Malaysia Pahang

www.ump.edu.my

PEKAN, 6 October 2021 – A warm welcome to all FK new students of session 2021/2022 was given from MINDS 2021. This event been held on 5 October 2021 through online, and had been splitted into few sessions included a welcoming speech from Senior Dean of College of Computer and Applied Sciences, Professor Ts. Dr. Ruzaini Abdullah Arshah, academic briefing by Deputy Dean (Academic and Student Affairs), Associate Professor Dr. Rohani Abu Bakar, programme briefing for Bachelor of Computer Science (BCS), Bachelor of Computer Graphic (BCG) and Bachelor of Computer Network (BCN) by their head of the programs, introduction of PETAKOM, alumni sharing of FK graduates career path, and finally meeting with academic advisor.

PROGRAMMING WITH PYTHON AND DATA VISUALIZATION

By: Dr. Muhammad 'Arif Mohamad

PEKAN, 4 October 2021 – A workshop on 'Programming with Python and Data Visualization' was held on 2 and 3 October 2021 virtually. The workshop was organized by FK and Centre for Software Development and Integrated Computing, UMP. These two days course aimed to introduce the fundamental of programming with Python language. Python language has been used in many applications for data processing in the field of Data Science, Machine Learning and Big Data. Participants had been introduced to certain basic concepts in computer programming in Python language, the libraries, and the usage of Python editors such as Anaconda, Jupyter Notebook, and Thonny. In the end of this course participants be able to develop a computer program using Python programming and a case study on data visualization. This workshop was conducted by FK academician, Dr. Mohd. Zamri Osman.

PROGRAMMING WITH PYTHON and Data Visualization 2-3 OCTOBER 2021

Synopsis: Python language has been used in many applications for data processing in the field of Data Science, Machine Learning, and also Big Data. This course will introduce the fundamentals of programming with Python language. Participants will be introduced to certain basic concepts in computer programming in Python language, the libraries, and the usage of Python editors such as Anaconda, Jupyter Notebook, Thonny. At the end of this course, participants will be able to develop a computer program using Python programming and a case study on data visualization.

Registration: RM80/pax (Group registration (min 5 pax))
RM100/pax (Individual registration)
*Limited to 30 participants

Schedule:
DAY 1: 02 OCTOBER 2021
 Introduction to Python
 Morning Session: Python installation, Develop 'Hello World', Python Input, Output, Arithmetic, Strings, and Data Types.
 Evening Session: Conditional Function, Data collection with List, Set and Tuple.
DAY 2: 03 OCTOBER 2021
 Data Exploration and Visualization
 Morning Session: Creating, Reading and Writing DataFrame & Series, Indexing, Selecting and Assigning, Summary Functions and More.
 Evening Session: Hello Seaborn, Line Charts, Bar Charts and Histograms, Scatterplots, Changing style with Seaborn.

Contact info: For more information, contact:
 Puan Siti Nurshah: +609-8222410
 srit@csdicump.edu.my
 Puan Nurmafalina: +609-8222410
 maufalana@ump.edu.my

Trainer: Dr. Mohd. Zamri Osman
 Faculty of Computing, College of Computing & Applied Science, Universiti Malaysia Perlis.

Certifications: Certified Professional Data Scientist, Certification by FutureLearn.

WOMEN AND SYSTEM DEVELOPMENT

By Dr. Muhammad 'Arif Mohamad

Kuliah Umum

Women and System Development

Kuliah Umum Prodi Teknik Informatika 2021

ZOOM MEETING
 Meeting ID: 827 5084 0084
 Passcode: 450180

TANGGAL: 28 September 2021
WAKTU: 09.00-11.45 WIB

DR. Noorhuzaimi Mohd Noor
 NARASUMBER
 Universiti Malaysia Pahang

Mandahadi Kusuma, M.Eng
 MODERATOR
 UIN Sunan Kalijaga

ORGANIZED BY: PROGRAM STUDI TEKNIK INFORMATIKA, FAKULTAS SAINS DAN TEKNOLOGI, UIN SUNAN KALIJAGA

PEKAN, 29 September 2021 – The Universitas Islam Negeri Sunan Kalijaga (UIN) Yogyakarta has organized a talk on 'Women and System Development'. The students and staff of UIN Sunan Kalijaga Yogyakarta have participated in the talk. The talk was given by FK academician, Dr. Noorhuzaimi @Karimah Mohd Noor.

STUDENT ACTIVITIES

GLOBAL CLASSROOM

By: Dr. Mriitha Ramalingam

Pekan, 7 December 2021:

GLOBAL CLASSROOM ON ETHICAL HACKING:

A Global Classroom session for FK students was held on course, Ethical Hacking. The sharing session was conducted on 7 December 2021 with the topic, 'Vulnerability Assessment and Penetration Testing: Protect the Business from Cyber Attacks'. The speaker of this session was Wilfridus Bambang Triadi Handaya from Universitas Atma Jaya Yogyakarta, Indonesia, who is a Certified EC-Council Instructor, Certified Ethical Hacker and Certified Secure Computer User. The students have participated in this interesting course and gained lot of knowledge on cyber attacks.

GLOBAL CLASSROOM ON HUMAN COMPUTER INTERACTION:

Another global classroom session was organized by FK on 10 November 2021 for the course, Human Computer Interaction. The session was conducted by Dr. Yohannes Kurniawan from BINUS University, Indonesia on the topic, 'User-Centered Design & Testing'. The FK students have participated with much eagerness and benefited with the current updates on the topic.



GLOBAL CLASSROOM ON DATABSE SYSTEMS:

A global classroom session was organized by FK Organized by FK and Department of Computer Science, Jazan University, Saudi Arabia on 01 November 2021 for the course, Database Systems. The session was conducted by

GLOBAL CLASSROOM
Subject: DATABASE SYSTEMS
 Department of Computer Science, Jazan university && Faculty of Computing Universiti Malaysia Pahang

SPEAKERS/LECTURERS:

- Dr. Mousa Khubrani
 Vice Dean of Academic Affairs,
 Department of Computer Science,
 Jazan university
- Dr Muhammad Adam Falkherdin
 Department of Academic Coordinator,
 Department of Computer Science,
 Jazan university
- Assoc. Prof Dr Noraziah Ahmad
 Dr. Noor Azila Sahabudin
 Dr Yusnita Mohamad Noor
 Faculty of Computing,
 Universiti Malaysia Pahang

Video meeting at <https://meet.google.com/ueh-ijhp-cfb>
 ☎ Phone dial: +1 401-753-9652 PIN: 895 491 937#
 Date: 1/11/2021, Time: 4-6 pm Malaysia time

FK academicians, Associate Professor Dr Noraziah Ahmad, Coordinator Database Systems, Dr Noor Azida Sahabudin, Dr Yusnita Mohamad Noor and Associate Professor Dr Awanis Romli .

The speakers of this session were Dr Muhammad Adam Falkherdin, Academic Coordinator of Department Computer Science, Jazan University, Saudi Arabia and Dr. Mousa Khubrani, Vice Dean of Academic Affairs, Department of Computer Science, Jazan University, Saudi Arabia. The participants included FK students registered for Database Systems from all departments of FK, (BCG, BCN, BCS, DCS) and students from Pusat Sains Matematik, UMP. Also, students that registered Database Concepts and Design, Jazan University Saudi Arabia. The objective of this global classroom was to have a knowledge on the principle and current issues in the database systems around the world.



SPPT WEBINAR

By: Dr. Nabilah Filzah Mohd Radzuan

PEKAN, 28 November 2021 – A webinar has been conducted for Sem 1 Session 2021/2022 students, where focus on *Penawaran Sijil Program Pengkhususan Terbuka (SPPT)* by Pusat Inovasi & Daya Saing Akademik (PIDA) Director and Deputy Director.

FASTRACK INDUSTRIAL BASED IOT DEVELOPER ROUTE COURSE

By Dr.Mritha Ramalingam



BRIEFING ON

Fastrack Industrial based IoT Developer Route Course



Synopsis:

This briefing intends to introduce students to the new modular courses. The objective for this course is to produce graduates with essential technical skills in IoT.

Date : 28 October 2021 (Thursday)

Time: 8.30 pm until 9.30 pm

meet.google.com/gts-ehya-yov

All FK students are invited to join!

Pekan 28 October 2021- A knowledge sharing session was organized by FK on the title 'Fastrack Industrial based IoT Developer Route Course' for the FK students. The briefing course was aimed to introduce the new modular course and produce the graduates with essential technical skills in IoT. Several students have participated and gained the knowledge on IoT developments.

STUDENT EXPERIENCE AS AN EXCHANGE STUDENT IN THE NEW NORMAL

By Dr.Mritha Ramalingam

Virtual Sharing Session:
Study Experience As An Exchange Student In The New Normal

Google Meet
https://bit.ly/exchange_webinar

SPEAKERS:

- ▶ **AMIRA NATASHA**
Sekarya, Turkey
- ▶ **NUR SABRINA**
Hasan Kalyoncu, Gaziantep
- ▶ **TAN MEI YAN**
AMIKOM, Yogyakarta

WEDNESDAY 13 OCTOBER 2021 02.00-3.30 PM

Pekan 13 October 2021- The FK has organized a webinar for FK students to share their experience on their studies at different countries as mobility students. The sharing session was intended to discuss the 'Students Experiences as an Exchange Student' in the new normal due to Covid-19 pandemic around the world. The exchange students from different universities in Turkey, Gaziantep and Yogyakarta have eagerly participated and shared their wonderful experiences.

VIRTUAL INNOVATION COMPETITION (2021)

By: Dr. Muhammad 'Arif Mohamad

PEKAN, 1 October 2021 - Congratulations to FK student, Adam Zulkornain and his supervisor, Dr. Al-Fahim Mubarak Ali for receiving a silver medal award in Virtual Innovation Competition 2021 (VIC21) for their project, Source Code Analysis Tools. VIC21 is an international virtual innovation event organized by Digital Information Interest Group (DIGIT), Association of Information Scientists (AIS), Research, Industry and Alumni Division of Universiti Teknologi MARA Cawangan Kelantan, and Society of Information System Management (SISMA).



WELCOME BACK STUDENTS! (FACE-to-FACE SESSION IN FK)



DCS EXPLORACE: KNOWING FK



BEST POSTGRADUATE AWARD

Congratulations FK postgraduate student Norita Ahmad for winning the Best Student Award 2021 in UMP!



ACHIEVEMENTS AND APPRECIATIONS

FK AS TOP 2% SCIENTIFIC RESEARCHER

Congratulations Deputy Vice-Chancellor (Research and Innovation), Professor Ts. Dr. Kamal Zuhairi Zamli for being listed among world's 'Top 2 percents of Scientist'



ACADEMIC EVALUATION PANEL “PENILAI AKADEMIK DIPLOMA SAINS KOMPUTER UNIVERSITI TEKNOLOGI MALAYSIA (UTM) KOLEJ YAYASAN PELAJARAN JOHOR (KYPJ)”

Congratulations Ts. Dr. Mohd Arfian Ismail



**EXTERNAL APPOINTMENT AS
CO-SUPERVISOR FOR MQF LEVEL AND PhD
AT INTERNATIONAL ISLAMIC UNIVERSITY
MALAYSIA (IIUM)**

Congratulations
Associate Professor Dr. Awanis Ramli
for the appointment



**THESIS EXTERNAL EXAMINER AT
UNIVERSITI TEKNOLOGI PETRONAS (UTP)**

Congratulations
Associate Professor Dr. AbdulRahman Ahmed
Al-Sewari
for the appointment.



**SUPERVISOR FOR MASTER'S PROJECT AT
OPEN UNIVERSITY MALAYSIA (OUM)**

Congratulations
Associate Professor Ts. Dr. Mazlina
Abdul Majid
for the appointment



EXTERNAL EVALUATOR OF PSDC COLLEGE CREATIVE MEDIA DIPLOMA PROGRAM IN DIGITAL DESIGN

Congratulations Dr. Rahmah Mokhtar! Have a good process accomplishing your job.



INVITED SPEAKER: 5th INTERNATIONAL CONFERENCE ON COMPUTER SCIENCE AND ARTIFICIAL INTELLIGENCE (CSAI 2021)

Congratulations Dr. Mohd Arfian Ismail for the appointment of invited speaker at CSAI 2021

Invited Speech VIII | 特邀报告八

Dr. Mohd Arfian Ismail, Universiti Malaysia Pahang, Malaysia
Mohd Arfian Ismail 博士, 马来西亚彭亨大学

Presentation time: 14:45-15:10 (GMT+8)
Presenter's Local Time: 14:45-15:10 (GMT+8)
Sunday, 5 Dec. | 2021年12月5日 (星期日)

Speech Title: Big Healthcare Data: Survey of Challenges and Privacy
Abstract: The last century witnessed a dramatic leap in the shift towards digitizing the healthcare workflow and moving to e-patients' records. Health information is consistently becoming more diverse and complex, leading to the so-called massive data. Additionally, the demand for big data analytics in healthcare organizations is increasingly growing with the aim of providing a wide range of unprecedented potentials that are considered necessary for the provision of meaningful information about big data and improve the quality of healthcare

INVITED SPEAKER: 11TH INTERNATIONAL CONFERENCE ON ELECTRONICS, COMMUNICATION AND NETWORK (CECNet) 2021

Congratulations Associate Professor Dr. Noraziah Ahmad for the appointment of invited speaker at CECNet 2021

The 11th International Conference on Electronics, Communications and Networks (CECNet 2021)
November 18-21, 2021 Online Conference
Microsoft Teams (GMT+8, Beijing Time)

Home Speakers Committee Call for Papers For Participants Conference Info Contact Us

Noraziah Ahmad
Associate Professor, Faculty of Computing/Centre for Software Development & Integrated Computing, Universiti Malaysia Pahang, Malaysia

Speech Title: Managing MyGRANTS Fragmented Database Using Binary Vote Assignment Grid Quorum with Association Rule (BVAGQ-AR) Replication Model

Abstract: Replication is one of the mechanisms managing data since it improves data access and reliability. Large amounts of data have been produced at a rapid rate since the invention of computers, especially during the pandemic scenarios. This condition is the key motivation for up-to-date and forthcoming research frontiers. However, in recent years, with widely available, low-cost technology, the amount of various data grows rapidly. The problem is although we are packed with data, but we have lacked of knowledge. Nevertheless, if the impractical data is used in database replication, this will cause waste of data storage and the...

KEYNOTE SPEAKER: NATIONAL CONFERENCE ON EDUCATION, SYSTEM AND INFORMATION TECHNOLOGY (NICE-IST) 2021

Congratulations Dr. Zuriani Mustafa for the appointment of Keynote Speaker at NICE-IST 2021

2nd NICE-IST
National Conference on Education, System and Technology Information
Trend AI, Big Data dan Sistem Teknologi Informasi dalam dunia Pendidikan dan Industri

Keynote Speaker :
Dr. Zuriani Mustafa
Universiti Malaysia Pahang

Zoom Meeting
LIVE on YouTube

Aldi Iqsin, Muhammad Soplan, Nur Wachid A Majid, Bari T. A., SA, Muhamad Firmans..., Dani Ardian Dirgantara

Zuriani Mustafa, JDS - Rlan Andrian, NICE-IST

INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND COMPUTER SYSTEMS (IJSECS)



FK JOURNAL in MyCite

Congratulations FK journal team for the achievement of FK journal, IJSECS being listed in Malaysian Citation Index (MyCite) 2020!



ISSN: 2289-8522 (Print), eISSN: 2180-0650 (Online)

For more details, please visit

<https://journal.ump.edu.my/ijsecs>

MEMORIES OF 2021





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