

Bulletin **FACULTY OF COMPUTING**



Highlights

- + Research Excellence Awards
- + FK as a council member of ASEAN, UN
- + Citrex 2021, MTE 2021

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Editor Preface

Warm Greetings to the readers!

I welcome you to the first edition of Faculty of Computing (FK)'s bulletin, bit@2021 which encompasses our faculty's activities and accomplishments during the period, January-May 2021.



I take this opportunity to thank the former chief editor, Dr. Junaida Sulaiman and the team for their contributions to the faculty's previous bulletin publications and their guidance for the new team.

I wish to thank our beloved Deputy Dean for Academics, Assoc. Prof. Dr. Rohani Abu Bakar for her guidance and support to the bulletin team.

It is a great pleasure to appreciate the editorial and layout & designing teams, faculty photographers, staff, students and contributors who have strived for the victory of this bulletin edition during the nation-wide Covid-19 pandemic.

Hope the readers would be delighted with bit@2021 and the bulletin team seeks your potential suggestions and contributions at buletinfskkp@ump.edu.my.

Dr. Mritha Ramalingam
Chief Editor

Bulletin Team

PATRON

Assoc. Prof. Ts. Dr. Adzhar Kamaluddin

CHIEF EDITOR

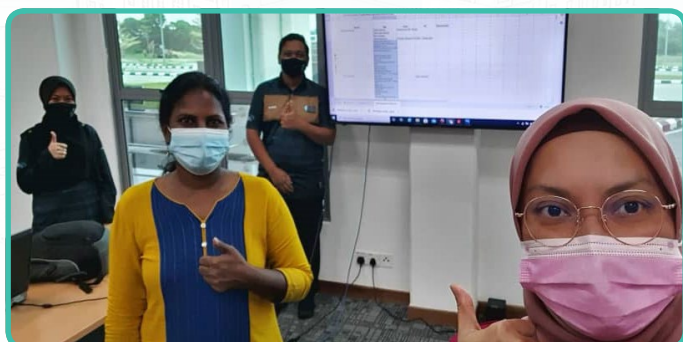
Dr. Mritha Ramalingam

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Muhammad Taufik Mohamad Reffin



Dean Foreword

Assalamualaikum and Salam Sejahtera!

Welcome to our Faculty bulletin! Appreciations to our academic, administrative, technical staff and Bulletin team who has been serving the faculty with passion. Despite the uncertainty of Covid-19 pandemic, we should adapt ourselves to the new norms of teaching and learning, faculty meetings and research using online modes.

While there were challenges at the beginning, we were able to overcome these obstacles. I am confident that cooperation among the faculty members can help to produce knowledgeable, high skilled and competitive graduates within the sphere of software engineering, system networking, and graphics and multimedia.

May Allah give strength to our faculty to excel in the direction of strategic plan and become one of the leading IT programme providers in Malaysia for its quality of education, soft skills and technological skills.



Assoc. Prof. Ts. Dr. Adzhar Kamaludin
Dean, Faculty of Computing

FACULTY ACTIVITIES

Faculty Student Statistics

1,942

389

Bachelor of Computer Science

GRAPHICS & MULTIMEDIA
with Honours

513

Bachelor of Computer Science

COMPUTER SYSTEMS & NETWORKING
with Honours

612

Bachelor of Computer Science

SOFTWARE ENGINEERING
with Honours

273

Diploma in

COMPUTER SCIENCE

3

Master of Science

COMPUTER NETWORKING

5

Master of Science

**INFORMATION & COMMUNICATION
TECHNOLOGY**

45

Master of Science

SOFTWARE ENGINEERING

102

Doctor of

PHILOSOPHY

UNDERGRADUATE

POSTGRADUATE

**FK Family: Warmest Congratulations to
FK staff on their New Appointments!**



ASSOC. PROF. TS. DR. AWANIS BINTI ROMLI
DIRECTOR
PUSAT SUMBER PENGAJARAN & E-PEMBELAJARAN
(PSPe)

DR. MOHD AZWAN BIN MOHAMAD @ HAMZA
HEAD OF TECHNICAL
FACULTY OF COMPUTING



DR. MOHD ZAMRI BIN OSMAN
HEAD OF PROGRAM (KNOWLEDGE DEVELOPMENT)
FACULTY OF COMPUTING

TS. DR. NOORHUZAIMI @ KARIMAH BINTI MOHD NOOR
HEAD OF PROGRAM (ENTERPRENEURSHIP)
JABATAN PEMBANGUNAN GRADUAN



DR. RAHMAH BINTI MOKHTAR
EXTERNAL EVALUATOR FOR *PAMERAN DAN
PENILAIAN AKHIR PELAJAR PROGRAM IJAZAH
SARJANA MUDA MULTIMEDIA (PENGIKLANAN
DIGITAL)*
KOLEJ UNIVERSITI ISLAM PAHANG SULTAN AHMAD
SHAH (KUIPSAS)

FK Family: Cordial Welcome to New Staff

Academic



DR. AHMAD FAKHRI AB. NASIR
Starting 10 FEB 2021



DR. NUR HAFIEZA ISMAIL
Starting 15 FEB 2021



DR. ZAHIAN ISMAIL
Starting 15 MARCH 2021



DR. MUHAMMAD ARIF MOHAMAD
Starting 1 APRIL 2021



DR. SITI SUHAILA ABDUL HAMID
Starting 1 APRIL 2021



DR. NABILAH FILZAH MOHD
RADZUAN
Starting 3 MAY 2021

Administration



PUAN NORAINI MD ZAMRI



PUAN NOOR ASHIKIN RAMLY



PUAN FARA HAMIZAH ZAKARIA

FK Family: Delighted Welcome Back



WAN NURUL SAFAWATI WAN
MANAN



MUHAMAD IDAHAM UMAR ONG

Festive Celebration

The staff club of the Faculty of Computing called “Kesukomp” has reported their activities conducted for the year 2020 in the Annual General Meeting (AGM) held on 2nd April 2020 at Ancasa Royale Hotel, Pekan, Pahang. In the same meeting, the FK staff voted to elect the new Kesukomp members for the year 2021.



Kesukomp 2021 : Kuih raya to all FK staff



Webinar @ FK

Ts. Aziman, Lecturer from Faculty of Computing has given a talk for one hour time period on 2 May 2021, Sunday. The talk was conducted online entitled, “The Internet, Web Technologies and Digital Convergence”.



Fakulti Sains Komputer Dan Matematik

INDUSTRIAL TALK SERIES 2021

2 MAY 2021 (SUNDAY) | 09.00AM - 10.00 AM

THE INTERNET, WEB TECHNOLOGIES AND DIGITAL CONVERGENCE

JOIN US:



Google Meet
meet.google.com/xad-phir-gvi

The impact of digital convergence on:

- Economy Sector
- Education Sector
- Society (Consumerism, Personal Well-Being and Family Institution)
- Cybersecurity (Individual and Organisational)

Join Our Expert Speaker :

TS. AZIMAN BIN ABDULLAH

FACULTY OF COMPUTING
UNIVERSITI MALAYSIA PAHANG (UMP)



Ts. Aziman Abdullah is a lecturer specialized in Internet Computing. With over 16 years of teaching experience, he works from conventional teaching practice to transformative teaching practice using digital technologies such as e-learning and web technology. His interest in exploring and deploying strategic digital technology in campus and community at large. His accumulative 7 years experience with Web Analytics allowing him to strategically deploy digital engagement initiatives at the university level. He is a certified professional with IBM Certified Solution Advisor - Cloud Computing Architecture V2 and Google Analytics IQ Examination.

Brought to you by :
Master of Science in Information Technology (CS770)

PLEASE REGISTER HERE:


STUDENTS ACTIVITIES

SEMINAR on Computer Science Graduates : - *What to Expect from A Real Industry Environment* 2nd January 2021 | Virtual (<https://fb.watch/5S0jREdz-B/>)

Development student capacity include:

- Build a resume based on will ICT industry
- Disclosure of the world of work in the field of ICT and its challenges.

PROGRAM TUTOR : Jejak Hala Tuju 18th - 22nd January 2021 | Virtual

Provide exposure & review slots to first year students on how to answer, and the form of questions that come out for each course. This first year student answers the exam for the first time at UMP, in a situation where he has never reached UMP and the exam form is online.

PORTFOLIO AKADEMIK & KEBAJIKAN | PERSATUAN TEKNOLOGI KOMPUTER

PETAKOM

BUTIRAN JEJAK HALA TUJU PESERTA

18hb Januari - 22hb Januari 2021
(Study Week, Isnin hingga Jumaat)

Sesi Petang: 2:00 p.m - 4:00 p.m ATAU Sesi Malam: 8:00 p.m - 10:00 p.m

*Sesi kelas bergantung kepada perbincangan pengajar & peserta

JADUAL KELAS

Hari	Isnin	Selasa	Rabu	Khamis	Jumaat
Nama Kelas	Query My A	Assemble My A	Initialize My A	Process My A	Connect My A
Subjek & Kod Subjek	BCI 1043 & DCN 1013 Database Systems	BCN 1043 & DCN 1013 Computer Architecture & Organization	BCI 1023 & DCI 1023 Programming Techniques	BCI 1143 & DCI 1013 Problem Solving	BCN 1053 Data Communication & Networking

SLIDE TEPI UNTUK FAQ >>

akademikkejikanpetakom@gmail.com @petakom_ump

PORTFOLIO AKADEMIK & KEBAJIKAN | PERSATUAN TEKNOLOGI KOMPUTER

PETAKOM

WARTA JEJAK HALA TUJU 2021

Kelas Database Systems 18 Januari 2021 (Isnin)

Masa : 2:00 p.m - 4:00 p.m
Peserta Hadir: 5 Orang

Pengajar :
Nik Adlee Afif & Hafiz Mustaqim



akademikkejikanpetakom@gmail.com @petakom_ump

PORTFOLIO AKADEMIK & KEBAJIKAN | PERSATUAN TEKNOLOGI KOMPUTER

PETAKOM

WARTA JEJAK HALA TUJU 2021

Kelas Programing Techniques 20 Januari 2021 (Rabu)

Masa : 2:00 p.m - 4:00 p.m
Peserta Hadir: 5 Orang

Pengajar :
Cik Nurul Azrina



akademikkejikanpetakom@gmail.com @petakom_ump

PORTFOLIO AKADEMIK & KEBAJIKAN | PERSATUAN TEKNOLOGI KOMPUTER

PETAKOM

WARTA JEJAK HALA TUJU 2021

Kelas Problem Solving 23 Januari 2021 (Khamis)

Masa : 8:05 p.m - 10:10 p.m
Peserta Hadir: 83 Orang

Pengajar :
Saudari Che Wan Nuramirah



akademikkejikanpetakom@gmail.com @petakom_ump

WEBINAR : CyVolt

10th March 2021 | Virtual (Facebook Live & Google Meets)

Introduction and promotion to students to participate in the Cyber Program Volunteer (CyVolt) launched by the Association Cyber Users Malaysia (MCCA). This is the latest government-backed initiative to curb spreading false news in addition to conveying authentic news straight from the source to all Malaysians.



SEMINAR : Bual Bicara Ketagihan Pornografi

13th March 2021 | Virtual



This event was conducted to raise students' personality, spirituality and awareness of the ill effects of pornography and appropriate methods to deal with pornography.

Adobe Illustrator 101

10th & 18th March 2021 | Virtual

- Learn the proven basics of Adobe Illustrator now, as a graphics technology that needs to be known by students especially those who venture into the field technology.
- Foster the interest and creativity of all students in the field of technology simultaneously contributes to knowledge software to be applied in the latest technology.
- Introduce Adobe Illustrator and open up space to students interested in handling & produce works of their creativity in line with UMP's mission is to socialize technology.

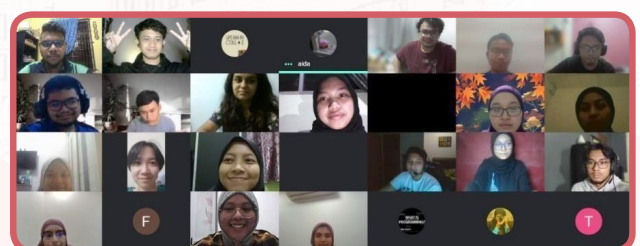
Speaker : Muhammad Yazid Bin Zulfar
Winner in Competition :

Grand Prize:

Muhammad Wildan Bin Mohd Azman

Top 3:

Iman Hajar Merican Binti Md Yusoff Merican
Luqman Hakim Bin Saiful Azwal
Ahmad Naquib Bin Ali



Dialogue Session With Dean 17th March 2021 | Virtual



On March 2021, an event of “Dialog Bersama Dekan” had been done at Faculty of Computing. The main objective of this event is to provide exposure for Faculty of Computing students to learn more about faculty and as an opportunity to have a dialogue session with Dean (Asso. Prof. Ts. Dr. Adzhar Kamaludin).

Based on the feedback given by the students in the Google Form who attended the program, the majority of the students are satisfied with this program by giving a lot of good feedbacks such as ‘It is a really good program’, ‘Gain a lot of benefits from this program’ and many more. They also hope that this program will be held again in the future to enable them to ask more questions in case there are issues or problems arise.



From the output, students that joined this program are able to train themselves to be brave in voicing out their opinions, views, and also questions in public. Students also can give their opinions or proposal directly to the Dean for the faculty’s improvement and students’ welfare. Students are able to know the latest information and also solutions on how to solve the issue or problems that arise especially in this pandemic situation.

In conclusion, based on feedbacks and output, this program was successfully achieved because most students that joined this program get the input, and they hope that this program will be a compulsory event for every semester to ensure they are not left out with new information that is given from Dean himself.

WEBINAR : Rise Up Dear Student Entrepreneur 27th March 2021 | Virtual



A Motivation talk was given to students to cultivate entrepreneurial nature at a young age and improving students' knowledge and preparation to venture into entrepreneurship

FORUM : Mahasiswa Cergas Mencakna Minda Cerdas

30th March 2021 | Virtual

The objectives of this event is to provide enlightenment to students on the intelligent mind influenced by an active body, to explain to students about the application of knowledge about sports and health, and also to provide exposure to students on methods of maintaining an optimal balance of sports and academic activities.



Dean Award and Excellent Faculty of Computing Students Award Ceremony

14th April 2021 | Virtual

This event focus on:

- Give appreciation to the FK students who received the Dean's List through video and souvenirs for the best students who received the Excellent Faculty of Computing Students Award.
- Increase the desire and interest of students in the academic field so that they can apply the knowledge in daily life.
- Encourage other students, especially year 1 students to work harder in their studies to make a name for themselves as one of the recipients of the Dean's List award.



Congratulation everyone!



FK e-Sport Competition

19th - 22nd April 2021 | Virtual

The ESport event was conducted to help the students in enhancing teamwork and strengthening relationships among students from various study programs.



The ACA Championship Malaysia 2021

21st April 2021 | Virtual (Kick Off tournament online)

The NGO involved for this year's design theme is BeFriends KL. Befriends is an organization that helps people with mental health problems especially related to suicide and depression. Even though students failed to get listed on the final Top 30, the courage to participate in the tournament was brave. Wishing the students for their effort !!!

Tagline: Let's Talk about it (#LifelsPrecious)

Participants: 9 students

My Career Roadmap

- *What Can I Do to Get a Job in Computer Industry*

5th May 2021 | Virtual

The objective of this events were included:

1. To allow the students to explore real working situations and skill requirements in order to enhance their own market value in the IT industry.
2. To ease the students making relations between theoretical knowledge and practical skills.
3. To provide characteristics as well as detailed explanations about job scope in each field of courses in the Faculty of Computing (FK), namely:
 - Software Engineering,
 - Graphic Technology and Multimedia, and
 - Computer System and Networking.
4. To realize the students to complete with skills needed and fulfill the requirements of standards for industry and current market.

The speakers:

Focus	BCS - Local	BCG	BCN	BCS - International
Name	Hasimah binti Razak	Shafwan Radzi	Mohd Zahir	Noor Rafida binti Abd Razak
Position/Title	Associate Director, Conduct, Risk and Control	Chief of Design	Technical Manager	Business Analyst
Company	Standard Chartered Global Services	Interface Sdn. Bhd.	Netwitz Sdn. Bhd.	Gentrack (Singapore) Pte. Ltd.



SEMINAR : Introduction to Adobe Premiere Pro for Beginner

8th May 2021 | Virtual



This event aimed to help to increase the strengthen students' skills in producing quality graphic products.

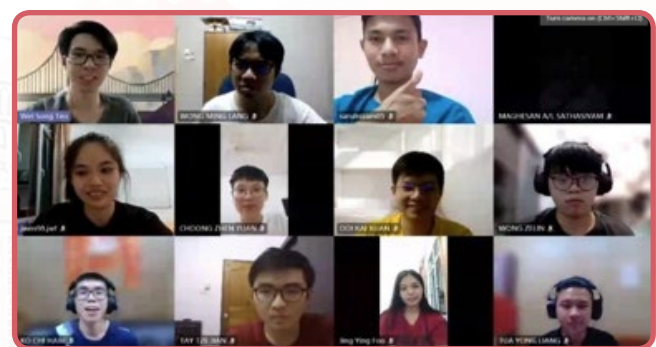
Microsoft Learn Student Ambassadors Workshop

Virtual

This event was targeted to all students of Faculty of Computing, with the objectives to share the information about technology field to students in UMP, and to improve the practical skills of the students in UMP regarding technology from Microsoft and Unity. The workshop was conducted by Teo Wei Song, Microsoft Learn Student Ambassador in UMP 2020/2021.



MLSA Workshop 3: Object Oriented Programming with C#



MLSA Workshop 4: Git and Github Crash Course

Creatonomics Business Creativity Competition 2021

29th May 2021 | Virtual (Universitas Brawijaya, Indonesia)

Three students from the Faculty of Computing have Won the best video award and fifth place overall out of the 72 teams competing in the event. This competition has brought exposure to students in the production of strategic business models. This remains as a benchmark for the ability of students in generating innovative ideas and having the value of techno entrepreneurs.



ACHIEVEMENTS & APPRECIATIONS

Awards

COUNCIL MEMBER WITH S & SE ASIAN UN

17th May 2021 | Virtual (China)

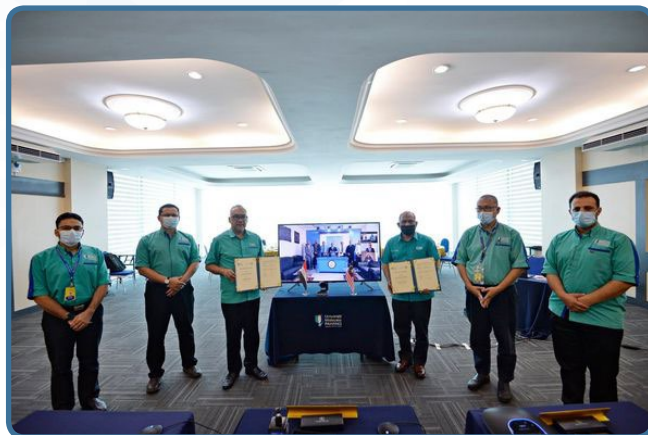
Inaugural Meeting of South and Southeast Asian University Network Sub-committee of Emerging Engineering Education & The 1st Computer Science Education Forum.



FK's Engagement : International & National

International Engagement

In the online signing of a memorandum of understanding (MoU), Universiti Malaysia Pahang (UMP) has forged a strategic collaboration with Hadhramout University (HU) Yemen. This international engagement was represented by



UMP's Vice-Chancellor, Prof Ir Dr Wan Azhar Wan Yusoff and Deputy Vice-Chancellor (Academic & International), Prof. Ts. Dr. Mohd Rosli Hainin. The HU was represented by the President, Prof Dr Mohammed Saeed Khanbash and Vice President of Academic Affairs, Prof. Dr Abdullah Saleh Babair.

National Engagement

The UMP has signed a MoU with Menteri Besar Pahang on 6 April 2021 at Dapur Infaq Central Kitchen. The MoU was held in the presence of Faculty of Computing representatives, Dr. Rozlina Mohamed, Senior Lecturer; Dr. Jamalludin Sallim, Senior Lecturer and Assoc. Prof. Ts. Dr. Mohd Nizam Mohmad Kahar, Deputy Dean and Menteri Besar Pahang, Dato' Sri Haji Wan Rosdy Wan Ismail.





Majlis Perasmian

DAPUR INFAQ CENTRAL KITCHEN
DAN
MAJLIS MENANDATANGANI MEMORANDUM
PERSEFAHAMAN (MoU) 'Pemeriksaan Prasarana Digital'
ANTARA DAPUR INFAQ UMMAH DAN UMP
OLEH
YANG AMAT BERHORMAT MENTERI BESAR PAHANG
DATO' SRI HAJI WAN ROSDY BIN WAN ISMAIL

Tarikh : 6 April 2021
Masa : 4.30 petang
Tempat : Dapur Infaq Central Kitchen

Dengan Kerjasama : 



Industry & Community Collaboration

Mesyuarat Bersama SK Mat Kilau & JPN Pahang

Discussion collaboration with Jabatan Pendidikan Negeri Pahang (JPN) in wake up training module development animation to JPN officers.



Visit to Royal Malaysia Police Headquarters

Respectful visit to Royal Malaysia Police headquarters with UMP Vice Chansellor; Prof. Ir. Dr. Wan Azhar Bin Wan Yusoff, Assoc. Prof. Ts. Dr. Adzhar bin Kamaludin, Dean of FK; and Dr. Syifak binti Izhar Hisham, Senior Lecturer of FK.



SK Langgar eLITE RC



Joint follow-up meeting with SK Langgar School community collaboration for initiative e-Learning Innovative Transformation for Rural Connectivity.

Pahang Skills Keselamatan Siber

Joint collaboration program Pahang Skills related to Security Webinar Cyber. At the same time promoting the new program to be offered (Bachelor of CyberSecurity) to the public



Program Mahir IT PdP Berkesan

Cooperation program between FK UMP and SBP INTEGRASI TUN ABDUL RAZAK Skilled IT PdP Effective (IT Savvy's ODL). Knowledge sharing between university faculty and school teachers. Exposure to participants of appropriate software and hardware for PDPR use.



External Grants: January to May 2021

Congratulations to our FK lecturers on their contribution to the external grants!



Malaysia Technology Expo (MTE) 2021

Congratulations to Associate Professor Dr. Md. Arafatur Rahman for winning Silver Medal in the Malaysia Technology Expo 2021.

The award certificate features a photo of Associate Professor Dr. Md. Arafatur Rahman on the left. The text on the right reads: "Congratulations! ASSOCIATE PROFESSOR DR. MD. ARAFATUR RAHMAN TRACTS-NET: AN INTELLIGENT ROAD DAMAGE DETECTION SYSTEM for winning SILVER MEDAL in the MTE 2021 Malaysia Technology Expo The 20th International Expo on Inventions and Innovations". The UPM logo is in the top right corner. The bottom of the certificate includes social media icons for UPM Malaysia, the text "TEKNOLOGI UNTUK MASYARAKAT", and various accreditation and ranking logos: 5 STARS QS RATED FOR EXCELLENCE 2018, 751-800 QS WORLD UNIVERSITY RANKINGS 2021, and #133 ASIA QS WORLD UNIVERSITY RANKINGS 2021.

Research & Postgraduate Excellence Award 2020

5th April 2021 | Banquet Room (Incubator), Faculty of Computing

Congratulations!
to all winners and participants

FK Academician Categories

Excellent Publication Award

1st Place

ASSOC. PROF. DR. MD. ARAFATUR RAHMAN

2nd Place

PROFESSOR TS. DR. KAMAL ZUHAIRI ZAMLI

3rd Place

TS. DR. MOHD ARFIAN ISMAIL

Excellent Grant Award

ASSOC. PROF. DR. MD. ARAFATUR RAHMAN

Prototype Award

ASSOC. PROF. TS. DR. MAZLINA ABDUL MAJID

<http://fk.ump.edu.my>

[fb.ma/fcomputing](https://www.facebook.com/fkma/fcomputing)

FK Postgraduate Categories

Excellent Postgraduate Award (PhD, Master by Research & Coursework)

1st Place

AL MUTTALEB HASAN (PCC17001)

2nd Place

MOHAMMED MAHFOUDH KHAMIS BINJUBEIR (PCS17014)

3rd Place

QUSAY MEDHAT SALIH (PCC16003)

SUHAD ABDULZAHRA HACHIM AL-SHOUKRY (PCC18004)

Excellent Publication (Master by Research)

1st Place

MOHAMMAD NAFEEES BIN ZAMAN (MEG20006)
MARUFA YEASMIN MUKTA (MCC17006)

2nd Place

MAHIMA KAREEM (MEG20003)

3rd Place

NOOR SYAHIRAH BINTI NORDIN (MCP19006)
NUR AZIETA BINTI MOHAMAD ASERI (MCC17013)

Graduate on Time (GOT)

MOHAMAD AHSAN RAZA (PCC16022)
RAGAD M. TAWAFK (PCC16019)
ESSAM MUSLEM HARB ALHROOB (PCS16005)

Excellent Performance by Master Coursework

SITI NAZURAH BINTI MOHD SAU PI (KCT19001)

Excellent Supporting Staff

ADMINISTRATIVE STAFF
ISMALINA MOHD ISAH

TECHNICAL STAFF
AMIRUL HUSNI ABDUL GHAFFAR

Best Research Group 2020

Soft Computing & Intelligence Systems (SpInt)
Research Group



Creation, Innovation, Technology & Research Exposition (CITREX) 2021

6th - 7th April 2021 | Virtual



Gold Medal

ASSOCIATE PROFESSOR DR. MD ARAFATUR RAHMAN, MR. NAFEEZ ZAMAN, ASSOCIATE PROFESSOR A. TAUFIQ ASYHARI, PROFESSOR MD MUSTAFIZUR RAHMAN, ASSOCIATE PROFESSOR M.F. ZOLKIPLI
DAEMON: A DATA-DRIVEN DYNAMIC CLUSTERING ALGORITHM FOR MITIGATING ADVERSE ECONOMIC IMPACT OF COVID-19

DR. LEE CHIA KUANG, DR. TAY JOO HUI, DR. LIEW SIAU CHUIN
DEMATEL DIGRAPH: A DECISION MAKING TOOL FOR PROJECT PRACTITIONERS AND RESEARCHERS DURING COVID-19 PANDEMIC

DR. MOHD. SUHARDI BIN MAT JUSOH, DR. NOORHUZAIMI @ KARIMAH BINTI MOHD NOOR
E- MODUL LATIHAN TAZKIYAH AL-NAFS (e-MLTN)

DR. SURAYA BINTI ABU BAKAR, LIEW PEI LING
FRUIT ORDERING SYSTEM

DR. MOHD IZHAM BIN MOHD JAYA, GOH XIN TONG
GEOFENCE ALERTS APPLICATION WITH GPS TRACKING FOR CHILDREN MONITORING

BATRISYIA BINTI RIZAL, TS. DR. TAHA HUSSEIN ALAALDEEN RASSEM
MALAYSIAN SIGN LANGUAGE MOBILE APP

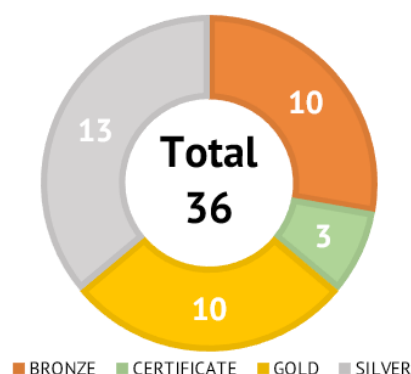
DR. SYIFAK IZHAR HISHAM, DINESH DAYANANDAN, DR. SITI ZUHAI DAH SHAHADAN, NURLISA FATIHAH ABD. RANI
ObEM 2.0: OBESITY MONITORING SECURED SYSTEM 2.0

ASSOCIATE PROFESSOR TS. DR. AISHAH BINTI ABU BAKAR ASSOCIATE PROFESSOR TS. DR. AWANIS ROMLI, DR. MUHAMMAD AZRIN AHMAD, MOHD SHAHRI MOHD AKHIR, NURSURAINIE MOHAMED SHATERI, YUZAWANI YUSOFF, NAZIFAS MOHD HUSSEIN, ROSYAFIEKA ROSLI, NURLIYANA NAWA JAMALUDIN, MOHAMMAD IQBAL RAMLY
THE MODULAR COURSE TVET ONLINE (MCTO)

NURUL FATIHAH BINTI A. SAMAD, AZMA BINTI ABDULLAH
VISUALIZING RESOURCES FOR A BETTER UTILIZATION

ASSOCIATE PROFESSOR TS. DR. ABDULRAHMAN AHMED ALSEWARI, AMEEN ALI BA HOMAID, PROFESSOR TS. DR. KAMAL Z. ZAMLI, TS. DR. TAHA H. RASSEM, PROFESSOR DR. ROBIN POSTON
WHKS: A WEB-BASED COMBINATORIAL TEST LIST GENERATION STRATEGY USING A NOVEL HKS

FK AWARDS @ CITREX 2021



Silver Medal

TAN CHEE SEN, DR. NOORLIN MOHD ALI
A MOBILE APPLICATION OF AUGMENTED REALITY FOR PERIODIC TABLE WITH SPEECH RECOGNITION

JULIZA MOHAMAD ARIF, TS. DR. MOHD FAIZAL AB RAZAK, SHARFAH RATIBAH TUAN MAT
ANDROID MOBILE MALWARE DETECTION USING FUZZY AHP

ASSOCIATE PROFESSOR. DR. ABDULRAHMAN AHMED MOHAMMED AL-SEWARI, SHARAFELDIN KABASHI KHATIR, MOHAMMED SAMIH SAEED
BUSTRACKER: CLOUD BASED BUS TRACKING APPLICATION

EMMANUEL DEVANESAM SIMPSON, TS. DR. KOHBALAN MOORTHY
DRIVER ALCOHOL MONITORING SYSTEM FOR VEHICLE SAFETY CONTROL WITH EMERGENCY CONTACT

DR. ABDULLAH NASSER, PROFESSOR DR. KAMAL ZUHAI RI ZAMLI, ASSOCIATE PROFESSOR DR. ABDULRAHMAN ALSEWARI, DR. TAHA HUSSEIN ALAALDEEN RASSEM
INTELLIGENT INTERACTION TESTS SUITE GENERATOR FOR IOT TESTING (THE USE OF OPPOSITION-BASED LEARNING JAYA ALGORITHM)

TS. DR. MRITHA RAMALINGAM, Ceng, QUAH CHIA SHERN, ELANCHEZHIAN CHINNAVAN, R. PUVIARASI
IoT BASED SITTING POSTURE MONITORING SYSTEM

DR. MOHD ZAMRI BIN OSMAN, DR. AHMAD FIRDAUS BIN ZAINAL ABIDIN, RAHIWAN NAZAR BIN ROMLI
MALWARE VISUALIZER: A WEB APPS MALWARE FAMILY CLASSIFICATION WITH MACHINE LEARNING

TOMMY CHA HWEAY RHUNN, DR. ANIS FARIHAN BINTI MAT RAFFEI, DR. NUR SHAMSI AH ABDUL RAHMAN
MOBILE SMART DOOR SECURITY SYSTEM

AHMAD LUQMAN BIN NAZRUDIN, DR. ANIS FARIHAN BINTI MAT RAFFEI, DR. NUR SHAMSI AH ABDUL RAHMAN
SMART KITCHEN MOBILE BASED APPLICATION WITH ARDUINO MODULE FEATURES

ASSOCIATE PROFESSOR TS. DR. ABDULRAHMAN AHMED ALSEWARI, NAIF AHMED BASALIB, ABDULAZIZ AHMED SALEH BAQALEB, MUMIN LAWAD MOHAMED ELHASSAN, DR. SURYANTI AWANG, DR. WAHEB ABDULJABAR, DR. TAHA HUSSEIN, DR. ALFAHIM MUBARAK, DR. AZLEE ZABIDI, DR. MOHAMMED ADAM, PROFESSOR DR. KHALID ALOUFI
SMART MASK DEDUCTION SYSTEM DURING COVID-19

TAN MEI YANDR, ANIS FARIHAN BINTI MAT RAFFEI, DR. MOHD ARFIAN BIN ISMAIL
SMART OBJECT DETECTION USING DEEP LEARNING ALGORITHM AND JETSON NANO FOR BLIND PEOPLE

ASSOCIATE PROFESSOR TS. DR. ABDULRAHMAN AHMED ALSEWARI, MOHAMMED SAMIH SAEED BIN SAEED, SHARAFELDIN KABASHI KATHIR
TOIMON: CLOUD-BASED W.C. MONITORING SYSTEM

JORDAN WONG, TS. DR. KOHBALAN MOORTHY
TRANSMISSIBILITY PREDICTION OF CORONAVIRUS DISEASE (COVID-19) OUTBREAK IN EARLY STAGE



Bronze Medal

WONG SEE CHENG, DR. TAHA HUSSEIN ALAALDEEN RASSEM
3D GAME-BASED LEARNING MUSIC THEORY WITH AUGMENTED REALITY (AR)

NUR FARIHA RAZALI, AZMA BINTI ABDULLAH
A DIGITAL SELF-MANAGEMENT BLOOD GLUCOSE TRACKER

MUHAMMAD KHAIRUL SYAFIQ BIN MUSTAFA, DR. JUNAIDA BINTI SULAIMAN
DENGUE DASHBOARD FOR FORECASTING THE FUTURE TREND OF DENGUE CASES IN PAHANG USING AUTO REGRESSION INTEGRATED MOVING AVERAGE (ARIMA) MODEL

JOANNA TAN LEI LEI, DR. LIEW SIAU CHUIN
DIGITAL WATERMARKING SCHEME FOR QR CODE SECURITY

CHEAH WEI CHUAN, DR. DANAKORN NINCAREAN A/L EH PHON
FOODIE - HOMEMADE FOOD ORDERING APPLICATION FOR FOOD BUSINESS

SYED SYAFIQ SYED ALIAS, DR. NUR SHAMSI AH ABDUL RAHMAN, DR. ANIS FARIHAN MAT RAFFEI
HOME SECURITY SYSTEM USING FACE RECOGNITION

LIM YONG NEE, DR. MRITHA RAMALINGAM
IoT BASED BUS SEAT OCCUPANCY DETECTION SYSTEM

UTHAYASURIAN SALAVAMANI, DR. AL-FAHIM BIN MUBARAK ALI
LAGUAI - ARTIFICIAL INTELLIGENCE SONG COMPOSER

MUHAMMAD EMIR HUSSAINI MOHAMAD NOR, TS. DR. MOHD FAIZAL AB RAZAK, DR. AHMAD FIRDAUS ZAINAL ABIDIN
SMART ELOUNDRY MONITORING SYSTEM THROUGH IOT

DR. AHMAD FIRDAUS BIN ZAINAL ABIDIN, YONG YEW KHEN, TS. DR. MOHD FAIZAL AB RAZAK, DR. WAN ISNI SOFIAH WAN DIN, DR. MOHD ZAMRI OSMAN, CHE AKMAL CHE YAHAYA
WHERE IS MY ORGAN? ORGAN DONATION WITH BLOCKCHAIN SYSTEM



Special Awards

COMPUTING AND APPLIED SCIENCE AWARD
DR. MOHD IZHAM BIN MOHD JAYA, GOH XIN TONG
GEOFENCE ALERTS APPLICATION WITH GPS TRACKING FOR CHILDREN MONITORING

BEST INVENTION IN MANUFACTURING AWARD
ASSOCIATE PROFESSOR DR. MD ARAFATUR RAHMAN, PROFESSOR TS. DR. MD. MUSTAFIZUR RAHMAN, TAN SZE WEI, ABU JAFAR MD MUZAHID
AUTOMATED PALM OIL SUPPLY CHAIN SYSTEM WITH TRACEABILITY

Certificate

DR. WAN ISNI SOFIAH BT WAN DIN, TIEW BOON LI, DR. AZLEE BIN ZABIDI, DR. AHMAD FIRDAUS BIN ZAINAL ABIDIN
ERGONOMIC WIRELESS DIGITAL BOARD

KIUNG SIEW LIAN, DR. LIEW SIAU CHUIN
FACIAL IMAGE PROTECTION BASED ON WATERMARKING TECHNIQUE

INNARASI PERIASAMY, DR. MRITHA RAMALINGAM
IOT BASED DUST ALERTING AND SMARTBIN SYSTEM FOR ASTHMA PATIENT

Final Year Project Competition 2020 Carnival
20th - 21st January 2021 | Virtual



Stud. ID & Name	Supervisor
KCS19001 NORITA BINTI AHMAD	ENCIK AZIMAN ABDULLAH
CA17092 TAN SZE WEI	DR. MD. ARAFATUR RAHMAN
CB17002 WAN SYAHRI AYUB BIN WAN AHLIM	DR. ABDUL SAHLI BIN FAKHARUDIN
CA17041 LIEW PEI LING	DR. SURAYA BT. ABU BAKAR
CB17031 MUHAMMAD AIDIL BIN ZAIDAN	DR. FAUZIAH BINTI ZAINUDDIN
CB17001 MUHAMMAD UMAR BIN AB AZIZ	DR. JUNAIDA BINTI SULAIMAN
CB17019 NUR FARIHA BINTI RAZALI	PN. AZMA BINTI ABDULLAH
CA17103 QUAH CHIA SHERN	DR. MRITHA RAMALINGAM
CA17145 TIEW BOON LI	DR. WAN ISNI SOFIAH BINTI WAN DIN
CC18194 NUR ATHIRAH BINTI BADARUZZAMAN	PM DR. NORAZIAH BINTI AHMAD



Stud. ID & Name	Supervisor
KCN19001 NOR IKA SHAHIRAH BINTI RAMLI	DR. SYIFAK IZHAR HISHAM
CC18209 WAN AHMAD FADLI BIN WAN MOHD YUSRI	EN. ARIFIN BIN SALLEH
CB16079 MOHAMAD SHAFIRUL BIN NOOR AZMY	PN. NURZETLY AQTAR BINTI AHMAD AZUAN
CB17039 WONG WAI YING	DR. NOORLIN BINTI MOHD ALI
CA17028 TEE YEE BON	DR. LUHUR BAYUAI
CA17045 LEE PEI YIN	EN. MUHAMMED RAMIZA BIN RAMLI
CA17079 KOO SIEW LING	EN. SYAHRULANUAR BIN NGAH
CA17087 WINSON LIM WEI SHENG	DR. MD. ARAFATUR RAHMAN
CA17179 MUHAMMAD HAFIZH BIN KHAIRUL ANWAR	DR. WAN ISNI SOFIAH BINTI WAN DIN
CB17029 NIK NUR SYAKIRA BINTI ABDULLAH	DR. MOHD IZHAM MOHD JAYA
CA17071 KHOO HOONG WEI	DR. SALWANA BINTI MOHAMAD @ ASMARA
CB17017 DINESH A/L. DAYANANDAN@ANANDAN	DR. SYIFAK BINTI IZHAR HISHAM



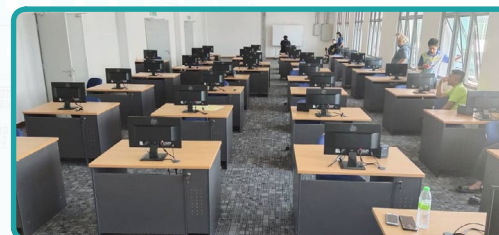
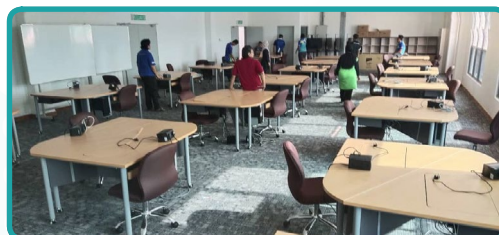
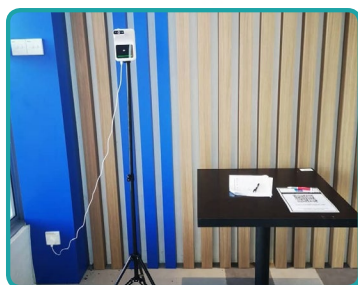
Stud. ID & Name	Supervisor
KCS19002 ILYANA NAJWA AIZA ASMAD	DR. AL-FAHIM MUBARAK ALI
CA17050 BENJAMIN LOW ZHI PIN	EN. SYAHRIZAL AZMIR BIN MD. SHARIF
CC18004 MOHAMAD IQMAL HAKIM BIN AL-AZAM	EN. SYAHRIZAL AZMIR BIN MD. SHARIF
CA17165 MOHAMAD DANISH JAILANY BIN ABDUL RAHMAN JAILANY	DR. MOHD ZAMRI BIN OSMAN
CA17020 NUR NAJJWA BINTI MOHD FADLI	DR. LUHUR BAYUAJI
CA17143 KIRTIKA A/P S PARAMESWARAN	PM. DR. MAZUNA BINTI ABDUL MAJID
CA17058 DIVASHINI GANASAN	DR. AL-FAHIM BIN MUBARAK ALI
CA17054 CHOO YING CHIEH	DR. YUSNITA BINTI MUHAMMAD NOOR



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Faculty of Computing (FK)
Universiti Malaysia Pahang

COVID-19 : FRESH ENVIRONMENT @ FK

SOP at Faculty Premises & Lab Restructure



Lab Restructure

SOP at faculty premises

Eid Al-Fitr 2021 Celebration

Eid al-Fitr at Faculty

Celebrate Eid al-Fitr in new norm at our faculty. Negotiating new norms does not just involve changing health habits, but whole-heartedly accepting new ways to worship and embracing new practices that do not put public health at risk.



Raya Contribution to FK Cleaners

Appreciation Ceremony “*Sumbangan Sampul Ramadhan*” to cleaning contractor employees at the FK Pekan building. In a brief speech by Dean of FK, AP. Dr. Ts. Dr. Adzhar Kamaludin informed that the cleaning workers in the Faculty of Computing (FK) building are part of the FK family who have contributed to the care of FK infrastructure which is utilized by FK staffs and students. Hopefully, with this contribution, we can strengthen the relationship between cleaning workers and FK residents.



Zakat

Opening of zakat counters during Ramadan at the faculty for all Muslim staffs and students. Zakat al-Fitr is zakat on oneself (body) which is obligatory on every Muslim; man and woman with the given conditions.

Hadith of the Prophet SAW which means:

“*Rasullullah S.A.W has made zakat al-Fitr obligatory in the month of Ramadhan on human beings by issuing one handful of dates or one handful of poetry on every freed person or male or female who is a Muslim. (Sahih Muslim)*”.



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ICSECS 2021 - ICoCSIM 2021



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7TH INTERNATIONAL CONFERENCE ON SOFTWARE ENGINEERING & COMPUTER SYSTEMS

4TH INTERNATIONAL CONFERENCE ON COMPUTATIONAL SCIENCE & INFORMATION MANAGEMENT

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The joint conference event, **ICSECS and ICoCSIM**, serves as a forum for an international community of researchers, academicians, scientists, students, practitioners and vendors on all aspects of Software Engineering, Computer Systems, Computational Science and Information Management research, with the theme of 'Advancing Digital Society with Advanced Technologies'.

Venue: Faculty of Computing (UMP), Pekan, MALAYSIA
Mode: Online Webinar
24th - 26th August 2021



Jointly organized by:



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- Track 7: Other Related Topics

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Computational Science

Theoretical computer science
Theory of computation
Information and coding theory
Algorithms and data structures
Programming language theory
Formal methods
Concurrent, parallel and distributed systems
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Grid and cloud computing
.. and many more

Information Management

Information and Data Management
Knowledge Based System
Knowledge Engineering
Knowledge Audit
Knowledge Flow Analysis
Knowledge Representation
Information systems development
Information systems security
Information systems iteration
.. and many more

- ✓ All accepted and presented papers will be submitted to **IEEE Xplore** for Publication.
- ✓ At least one of the authors of any accepted paper is required to register and present the paper at the conference.
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IMPORTANT DATES

Full Paper Submission - 31 May 2021
(Final Extension)
Notification of Acceptance - 15 June 2021
Final Camera-Ready - 9 July 2021
Final Registration & Payment - 15 August 2021

REGISTRATION/SUBMISSION

SCAN ME



ICSECS 2021
<https://easychair.org/conferences/7conf=icsecs2021>



ICoCSIM 2021
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Universiti Malaysia Pahang
MALAYSIA



PROF DR ALAMGIR HOSSAIN
Teesside University
UNITED KINGDOM



PROF DR JASNI MOHAMAD ZAIN
Universiti Teknologi MARA
MALAYSIA



PROF DR ROBIN POSTON
The University of Memphis
USA



PROF DR ROSNI ABDULLAH
Universiti Sains Malaysia
MALAYSIA



AP DR MOHAMED ABDULLAH BANATWY
Hadhramout University
YEMEN



PROF DR HERYANTO WICAKSONO
Universitas Sumatera Utara, Medan
INDONESIA



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Muscat College
OMAN



TS DR ASWAMI ARIFFIN
CyberSecurity Malaysia
MALAYSIA



NURLIANA BINTI MUHAMMAD
Founder of Youth Digital Hub
MALAYSIA

FURTHER INFORMATION

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The poster features the UMP logo and the IJSECS title in large blue letters. Below the title, it lists the journal's ISSN and eISSN. A vertical strip on the left shows four journal covers. The main text is a 'CALL FOR PAPERS' announcement, followed by submission details, a list of indexed journals, and a list of topics of interest.

 **IJSECS**
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