



UniKL 16
Through The Eyes of
Dato' Amir Azhar Ibrahim

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UniKL
Honoured In 2018
BrandLaureate
Awards

Pg.16



MIAT Rules
In Sports Carnival

Pg.24

Universiti Kuala Lumpur **X**GRESS

UniKL
Celebrates
16th Anniversary

**IT ALWAYS
SEEMS
IMPOSSIBLE
UNTIL
IT'S DONE.**

Nelson Mandela

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PUBLISHED BY:

UniKL PUBLISHING
UNIVERSITI KUALA LUMPUR,
1016 JALAN SULTAN ISMAIL 50250 KUALA LUMPUR.

☎ 03 2175 4000 📠 03 2175 4001

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PRINTED BY:

NUPRESS SDN BHD
NO 7, JALAN SERI SENTOSA 3,
TAMAN SERI SENTOSA OFF JALAN KLANG LAMA,
58000 WILAYAH PERSEKUTUAN KUALA LUMPUR

A black and white portrait of a man with dark hair, glasses, and a goatee, wearing a dark suit jacket over a white shirt. He is looking directly at the camera with a slight smile. The background is a plain, light color.

**EVOLUTION OF UNIKL
OVER 16 YEARS**

THROUGH THE EYES OF

DATO' AMIR AZHAR IBRAHIM

DATO' Amir Azhar Ibrahim exudes an air of relaxed calm sitting in his chair at the famed Universiti Kuala Lumpur (UniKL) main campus, nestled in the heart of the bustling Malaysian capital city.

His office, perched on the highest level of the towering 31-storey building on Jalan Sultan Ismail, offers a clear panoramic view of the city, especially the famous Kuala Lumpur Tower. It may not be the tallest in the neighbourhood but the sheer strong presence of the incredible UniKL structure is a symbol of what the future beholds for Malaysians and international students of current and future generations. There is real 'raison d'etre.

A multi-technical university established by Majlis Amanah Rakyat (MARA), an agency under the Rural Development Ministry, UniKL provides training and empowering Malaysian education in fulfilling the country's human capital requirement.

UniKL has been Dato' Amir's second home for many years having started as a young, energetic and enterprising junior officer in 1996 before moving up the ranks to his current position as Chief Marketing and Planning Officer (CMPO), Group Planning and Communication.

UniKL's soaring credential today from its embryonic and formative days is in line with the university's motto of 'Where Knowledge is Applied and Dreams Realised'. Personally, it has been a great milestone for Dato' Amir - one of four pioneer members instrumental in charting the varsity's birth and growth.

Rated as a Tier-5 'Excellent University' by the Ministry of Higher Education, UniKL's dominant status in offering more than 130 programmes in 13 institutes spread across 12 campuses in the peninsula is akin to a giant leap forward considering the varsity has only been around for 16 years following its formation in 2002.

The Yang di-Pertuan Agong (His Majesty The King Of Malaysia) Al-Sultan Abdullah Ri'ayatuddin Al-Mustafa Billah Shah is the Chancellor of UniKL. The President and Chief Executive Officer (CEO) is Prof. Dato' Dr. Mazliham Mohd Su'ud.

Upon graduating in Business Administration from West Virginia University in the United States, Dato' Amir, then a young MARA scholar, was absorbed into the workforce. However, four years later he faced his biggest challenge.

"While working in my fourth year with MARA I was assigned into establishing a university for MARA. That was in the year 2000. MARA used to have a university before which is UITM that was set up in 1967 but it came under the jurisdiction of the Ministry of Education in 1976 and no longer under MARA," observed Dato' Amir.

"MARA realised the need to have another university that will form the APEX of their whole education

system. There were many students who completed their secondary schooling and later obtained technical certificates and diploma but do not have a channel to pursue a degree education. I was one of four staff members assigned to see the setting up of this new university. However, only two of us in the initial group of four joined UniKL after that but today I am the only one who remained," said a charismatic Dato' Amir.

After a two-year effort in obtaining the necessary approvals, the formation of Universiti Teknikal MARA or UniTEK-MARA went on smoothly, offering programmes in Higher Technical and Vocational Education Training (HTVET) for TVET graduates and SPM leavers.

However, during a cabinet paper presentation in 2003 on the establishment of UniTEK-MARA, then fourth Prime Minister of Malaysia, Tun Dr. Mahathir Mohamad (currently the seventh Prime Minister) had suggested a name change to Universiti Kuala Lumpur or UniKL in short to promote Kuala Lumpur as a learning hub and to propel UniKL's potential internationally.

The need to upgrade the qualification of MARA TVET graduates, said Dato' Amir, gave birth to the idea of UniKL formation.



As the nation's premier institute in Higher Technical Vocational Education and Training (HTVET), UniKL provides new academic and technical programmes in collaboration with renowned education institutes in Spain, France, Britain, Germany, Italy and other developed countries through bilateral relationships between the government of Malaysia and these nations.

This collaboration is also viewed as a harbinger of hope for students with rich minds and talents. A recognised and trusted university, UniKL offers a plethora of certificates; diploma, degree and post graduate studies through hands-on-training and actual industrial works that are embedded in all UniKL courses including the non-engineering technology programmes such as business studies, technology management, medicine, and others.

“UniKL started in 2003 with just two programmes - Bachelor in Air-Conditioning and Industrial Refrigeration; and Bachelor in Automation and Robotic with an initial intake of only 80 students. There were no foreign students then,” he said.

Reminiscing the past, he added that the challenges were way beyond imagination.

“Before the formation of UniKL, MARA had five technical colleges that offered programmes up to diploma level with the technical assistance of our distant foreign partners. We are talking about Malaysia-France Institute (MFI), British-Malaysia Institute (BMI), Malaysia-Spanish Institute (MSI), Malaysia Institute of Aviation and Aircraft Maintenance Technology, and Malaysian Institute of Information Technology. Those were the five founding colleges of UniKL,” he echoed.

“In 2002 when UniKL was formed, the five institutes were amalgamated into one. The challenges then was to amalgamate them and to have that single UniKL identity and culture as they have been in existence for some time. Staff intake was estimated at between 150-200 in each of these institutions but the numbers increased to 800 after the process of amalgamation. The initial plan of UniKL (prior to the amalgamation) was to stand alone with an enrolment of 5,000 students.”

Technical universities, said Dato' Amir, are always being linked to TVET – branch of education that focuses on skill and training. Normally people would label them as second class education pathway for the low achievers. Hence, initially UniKL was looked on as a second choice of university and not the elite.

“Some do excel especially the late bloomers and they want to further their skills, hence the need for UniKL 's existence as these student hope to do degree programmes. Basically a university to cater their needs but still keeping the philosophy of hands on and practical,” he stressed.

Today, UniKL's vision and mission to be the leading entrepreneurial technical university reached a high platform. In 2018, UniKL is rated as one of the top universities in Asia, ranked 351 out of 7,700 accredited universities in the region.

Foreign students started enrolling into UniKL in 2010 while the university hit its peak of 1,000 international student-registration in 2017. The highest number of student intake/enrolment (both local and international) in a single academic year was 29,000 in 2015.

“Total number of students in the last two years has been consistent at 22,000. In 2018 there were 924 international students from 55 countries pursuing courses in degree, masters and PHD programmes,”

said Dato Amir, adding that since November 2018, a total of 56,293 students graduated from UniKL at all levels – PHD (42), Masters (370), Bachelors (26,679), Diploma (28,928), and professional certificates (274).

“Most of these Malaysian students are from urban and rural poor. Whilst MARA provides scholarships and loans to those eligible, there are a number of students who apply for PTPTN loans with about 5% of private students, mostly foreign, who do not apply for loans,” he quipped.

Having placed emphasis on quality education, UniKL's expansion plan into the Asian market has been well structured for the next five years since 2015.

“We do have our five-year planning and focus on penetrating the Asian market. Our 2020 plan is to be one of the top global player and we aim to partner with top universities in Japan, Korea, Germany, France or Australia. Not just any university but mainly the top universities. Either we host their programmes fully here or split it which means students can do partly here and the final two years abroad. These programmes must also be accepted by foreign universities,” he said.

UniKL's venture into the global market in future, observed Dato' Amir, depends on the critical needs of the national economic development plan.



EVALUATION OF UNIKL EDUCATION SYSTEM

AWARDS





UniKL SWEET 16th BASH



UniKL MESTECH



UniKL BUSINESS SCHOOL



UniKL MIAT



UniKL MIMET



UniKL MIIT



UniKL MSI



UniKL MFI



UniKL RCMP



UniKL MIDI



UniKL MICET



UniKL MITEC



UniKL BMI

MARA, having established the first national higher institute focusing on rail technology – the Asia Rail Centre – under the purview of UniKL, there are now plans to focus into other critical areas such as the study on water through its partners in Netherlands.

“We are surrounded by water but for some reasons we don’t have a proper college or university that study and commercialise or even rectify the issues pertaining to water. We have already launched researches with our partners in Netherlands. The environment part is how to tackle the flooding situation but on the technology aspect it is to how best to improve our water issues,” added Dato’ Amir.

An institute for water research may be set up in the Malaysian state of Pahang located on the east coast of the peninsular.

Branding UniKL as an education hub in Asia and around the globe to its highest potential has been a delight to Dato’ Amir. It was never a mountain too high to climb but just a matter of manoeuvring through the many terrains along the way.

“I’m honoured to reap the outcome of the function I have been working on. To be able to witness UniKL’s growth from zero to its high point of 29,000 students in 2015 is something we are certainly proud. Everyone in UniKL worked hard to reach this level. And we want to improve our ranking in Asia and further enhance it.”

“UniKL is a recognisable brand having won several accolades since 2016 such as The BrandLaureate Awards for Best Brand in Higher Education and The Putra Award. From being a university for the under achievers who want to further their studies in the initial years of its set up to becoming a “University of Choice” offering more than 130 programmes today in various fields that include engineering, aviation technology to medicine and pharmacy, I can proudly say that we have stamped our mark!”

In sports, UniKL may not be a big game player on the field such as athletics, football or rugby but the university’s hockey team’s existence in the Malaysian Hockey League since 2009 reached its pinnacle in 2018 and that is something to be proud of.

Under the leadership of Dato’ Amir as President of UniKL Hockey Club and the overwhelming support from Prof Dato’ Dr Mazliham Mohd Su’ud, who shared the same desire and direction. UniKL finished fourth in the Premier Division of the MHL last year.

But a historic moment followed soon when UniKL clinched the coveted TNB Cup (overall champions) by defeating KLHC 4-3 on sudden-death penalty shootout in the final after both teams were tied 1-1 in regulation time. Today, UniKL is amongst the top rated teams in the domestic league.

The launch of the Tengku Abdullah Hockey Stadium that is ‘Home of UniKL’ at the Malaysia France Institute (MFI) campus in Bangi, in August has also boosted UniKL’s branding following the celebration of its ‘Sweet 16’ years in existence.

This training facility serves as a catalyst in nurturing future talents for UniKL as well as the nation amongst children of the local community and surrounding schools in Bangi, Kajang, Cyberjaya, and Putrajaya.



Sailing on the Greenpeace Mission

Dr Mohd Farhan Mohd Nasarudin - UniKL RCMP



Universiti Kuala Lumpur (UniKL) is a university that practices the belief of 'Where Knowledge is Applied and Dreams Realised'. Knowledge is not acquired from the field of education alone but through social life and this includes volunteering activities. Volunteering offers plenty of benefits like boosting self-confidence, improving leadership skills, socialising and networking opportunities. Hence, UniKL was elated when a UniKL Royal College of Medicine Perak (RCMP) alumni boarded the Greenpeace ship as a volunteer.

Background

Dr Mohd Farhan Mohd Nasarudin, 26, who graduated with an MBBS (Bachelor of Medicine and Bachelor of Surgery) degree, chose to volunteer as his hobby. His life goal is contributing to society and the medical field. Volunteering activities are ideal ways to pursue his passion.

Dr Mohd Farhan (center) with the crew members on board Rainbow Warrior Ship.



"Some enjoy music or movies whereas I like volunteering as it is one of my passions," he said. In the medical arena, busy schedules are unavoidable but he is optimistic in managing his time and believes the same to be possible for others. He has been volunteering with Greenpeace for several years now and is currently working on a freelance basis on its special Malaysia-based projects.

Greenpeace – Rainbow Warrior Ship

Greenpeace is an international, independent, non-political NGO that adheres to the principle of non-violence, which it shares with many peaceful acts and movements throughout the world in history. The NGO promotes solutions that are essential to a green and peaceful future.

Dr Farhan joined Greenpeace during his third year at the RCMP, in a Public Health research project titled 'Global Warming'. It was the Greenpeace's vision and mission that inspired him to be part of the dynamic organisation.

Presently, Greenpeace maintains and operates three vessels globally. The ship that sailed through Southeast Asia was the Rainbow Warrior (RWS) in which Dr Farhan was on attachment. RWS represents a symbol of what Greenpeace stands for - advocating environmental protection.

RWS was in the SEA region for the 'Break Free from Coal' (Philippines and Thailand) and 'Break Free from Plastic' (Malaysia) campaigns. The tour started in the Philippines and continued to Songkhla (Thailand), Singapore, Port Klang (Malaysia) before completing its final journey in Phuket (Thailand).

On Board Experience

A novice sailor, Dr Farhan was a crew member of the RWS medical team. His role was primarily to observe, supervise, and provide medical assistance to the crew in cases of illness and injuries and to determine whether an extensive investigation or comprehensive treatment was necessary.

Of all the cases handled, one was particularly dangerous. Some crew members were bitten by wild monkeys during a stopover at Krabi Island in Thailand. The injured members were directed to the local hospital to receive the Rabies vaccination. However, when they returned he was assigned to administer the subsequent vaccine shots as per requirement.

Besides his medical duties, he also completed his training as part of the crew on a sailing vessel and received the Seaman's certification.

"Working on the ship requires you to be always efficient, clear, objective, and on guard. This practice is similar to what I had learned over the years as a medical student at UniKL RCMP. If we are careless, things could get out of hand and this will jeopardise the ship's operation," he said, adding that only he and an Indonesian sailor were crew members from Southeast Asian countries while 14 others were from other regions.

Where food was concerned, and he being a Malaysian, Dr. Farhan simply could not leave his favourite 'Sambal' sauce behind. He shared it with his international crew members who were equally delighted. RWS does have a cook on board who prepares vegetarian meals six days a week. Through this, Greenpeace slotted in a mini food campaign called 'Meat-Free Week', to enlighten people on the often-ignored significant by-products of the meat production industry, which can affect climate change.



'Break Free from Plastic'

On the 'Break Free from Plastic' campaign, Dr. Farhan stressed that the current plastic issue in Malaysia is critical. The shocking truth about recycling in Malaysia is that approximately 90% of the waste does not end in the system. Instead, it ends up in landfills or incinerators, just like any other waste. It hurts the environment more than people actually realise.

He added that Greenpeace has been taking actions to prevent plastic waste accumulation either by importation or home-grown businesses, through dealing with key parties in the industry, NGOs, and policymakers.



Future Plan & Advice

Dr. Farhan intends to specialise in Psychiatry upon completion of his housemanship but will continue his volunteering efforts especially with Greenpeace.

"I firmly believe in Greenpeace's campaigns and causes, and sustainability is the way to go. Physical development needs to go hand in hand with environmental protection and awareness. 'Being green' is not just a fad, but inevitability," he observed.

Dr Farhan cited Bea Johnson, a zero-waste movement prominent speaker who espouses the 5R's ideals which are easy enough to follow – Refuse, Reduce, Reuse, Repair and Recycle, with recycling being the last resort to live more purposefully and waste-free.



Going Green

UniKL – Centre of Excellence for Development of Modern Eco-Friendly Refrigerants

Refrigerators, freezers, and air conditioner - most of us use at least one of these appliances every day. Do you know the component in the appliances used for the cooling effect? It is called the 'Refrigerant', a man-made gas. There are many types of refrigerants but the most commonly known in the world is Chlorofluorocarbon (CFC, R-12), also known as the 'Miracle Refrigerant'. It is chemically stable, non-toxic, non-flammable, and can be readily converted from liquid to gas and vice versa. However, the massive use of CFC in the past has badly damaged the natural environment - Ozone layer depletion.

The Need for Alternative Refrigerant



The CFC was originally developed in the 1930s as the refrigerant for aerosol-spray propellants, solvents, blowing agents, and air conditioning in automobiles, homes, and office building. This ozone depleting substance is so stable and unreactive that it reaches and destroys the highest level of atmosphere - the stratospheric ozone. The existence of natural ozone layer creates a vital protective coat, shielding living organisms on Earth from harmful effects of the Sun's ultraviolet radiation. It takes around 100 years for the CFC to diffuse from the atmosphere. Even though the world has banned and ceased the CFC in 2010 under the Montreal Protocol, the damaged continues well into the 21st century.

The ban of CFC has introduced the Hydrochlorofluorocarbon as the alternative. HCFC 22 are mainly used in the air-conditioning. It poses less risk since it has lower ozone depleting potential (ODP) because it decomposes more readily in the lower atmosphere, but it too degrades the ozone layer. The industries and consumers then turned to Hydrofluorocarbon (HFC) which has zero ODP but high global warming potential (GWP). Since the global community found that the used of HFC poses impact to the climate change due to its GWP characteristics, for the climate benefit, parties under Montreal Protocol has agreed on Kigali Amendment to phase-down HFC during the 28th Meeting of Parties.

Starting in 2019, the HFC usage in the developing countries will gradually phase down by 85% until the year 2036. The situation will heavily affect Malaysia, a hot and humid tropical climate country, due to the large usage of refrigerants from both industries and consumers. This is one of the major factors of setting up the Centre of Excellence (CoE), which Universiti Kuala Lumpur (UniKL) was honoured and privileged to be appointed, in overcoming these incoming challenges.



Centre of Excellence for Development of Alternative Refrigerant

The Centre of Excellence (CoE) is located at the UniKL Malaysia France Institute (MFI), Bangi, under Heating, Ventilation, Air Conditioning, and Refrigeration (HVACR) section. UniKL MFI is one of the two CoE appointed under HCFC Phase-Out Management Plan (HPMP) Malaysia Stage-II Project-chosen due to its conducive learning environment in terms of the research lab, training unit, workshop, and equipment facilities. The appointment was given by the Department of Environment Malaysia under the Ministry of Natural Resources and Environment. Now known as the Ministry of Energy, Science, Technology, Environment & Climate Change – MESTECC.

The CoE was also awarded financial aid amounting to USD 25,000 to improve the infrastructure as a reference centre for alternative refrigerants including flammable refrigerants. Amongst the functions are defining alternatives solution to the current refrigerants' issues in which the main role is to conduct applied research which regards to flammable refrigerant

Modern Eco-Friendly Refrigerant: Hydrocarbon

The research team at the HVACR is currently looking into Hydrocarbon (R290, R32) as the modern eco-friendly refrigerant. HC is an organic compound consists of entirely hydrogen and carbon, which mostly found in crude oil.

A good natural gas with no side effect to human and environment. HC is safe to use in a small amount (less than 100 gram). If leakage occurs, HC is still manageable and safe. In fact, some companies in the industry have already started using HC on a small system scale. However, HC is categorised in as A3 – fully flammable; there is a big risk if it is used in big volume especially when leaking.

HC is still considered expensive due to the scarce supply. Aside from that, technicians or anyone who will be dealing with HC must go through special training to be able to handle flammable gas properly which covers topics on installation, maintenance, repairs, and others.

The Research

UniKL as a leading technical university owns the advantages of having comprehensive facilities, adequate resources, and skilful experts with the industry and academic background. These have enabled the research team at UniKL MFI to build refrigerant system easily and conduct the research in a full manner. The team had done the first stage of the research, which was the theoretical simulation that involved identifying, setting criteria, and extracting two to three suitable gas from 3000 candidates.

Currently, the team is in the second stage, which is conducting the experiment - testing the suitability of the final candidates to the system, and to select the gas that meets Malaysia's tropical environment. The research will take approximately a year to complete before submitting the tested refrigerant to the approval body for patent and certification.

Additionally, the team is required to submit reports every six months to the Department of Environment Malaysia on their findings as an input feeder to the Ministry. To date, the team has also presented their research to the industry and the academic world on their current findings in Bangkok (Thailand), Germany, Montreal (Canada), China, and Japan.

Refrigerant Awareness

Nowadays, people are becoming more aware and concern about environmental issues. Since some of the refrigerants are flammable and toxic, there is a need for the people to be aware and knowledgeable on the effect and appropriate ways of handling it. In 2017, A Standard called MS:2678:2017 Flammable Refrigerant System – Code of Practice has been developed. UniKL MFI was part of the committee developing it. The team hopes refrigerants should not become an issue in the future with regards of being flammable.



Research Team (HVACR Section, UniKL MFI)

Head of Researcher: Mr Mohd Zaki Mohamed (Head of HVACR Section, Senior Specialist, National Expert for Refrigeration and Air Conditioning)

Project Team Members:
 Mr Ng Wen Bin (Senior Lecturer)
 Mr Zahurin Othman
 Mr Fairuz Bakarudin

Pocket Diagnostic Tool App for Knee Injury – Anterior Cruciate Ligament Injury

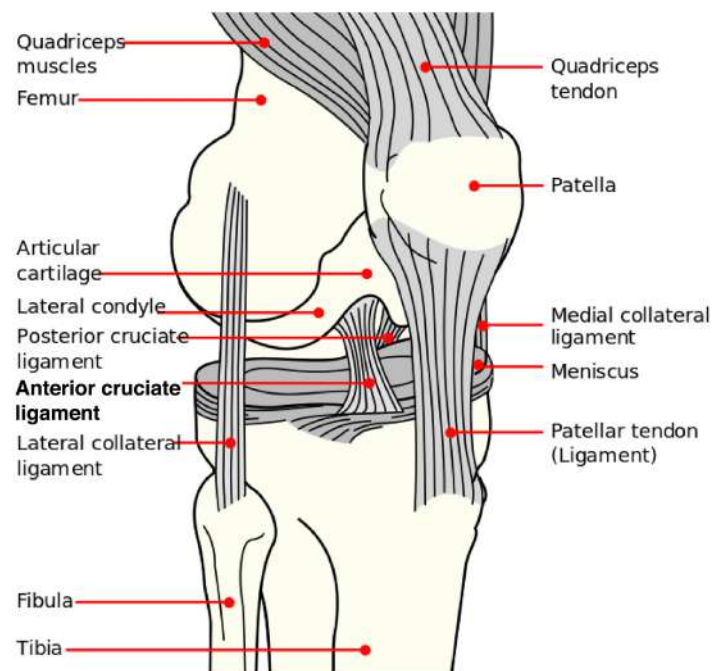
People generally are more concerned on the functions of vital organs like the heart, lungs, kidney, liver, and stomach. How often though, is attention given to other areas that while not vital, are important too? Knee health in particular, is of bigger concern to senior citizens given their physical condition. But knee injuries could well happen to anyone, with the Anterior Cruciate Ligament (ACL) injury being most common. Although it can present itself in routine life, the most frequent occurrence is in the field of sports especially those that involve dynamic movements such as running, playing rugby, hockey, and football. So how does a small ligament injury cast a huge impact on a sportsperson?

Anterior Cruciate Ligament (ACL) Injury

The ACL stabilises the knee by connecting the thighbone (femur) and shinbone (tibia). It is composed of strong fibrous material and runs diagonally in the middle of the knee. It controls excessive motion and keeps the tibia from slipping forward and away from the femur.

An ACL injury is commonly caused by sudden movement, excessive leg usage, or poor knee care. According to a research by the University of North Carolina Injury Prevention Research Center (UNC IPRC), as many as 250,000 individuals suffer from ACL injuries annually in the United States alone. Women face greater risk although the injuries predominantly occur in men due to higher physical activity exposure.

The process of diagnosing the severity of an injury takes about three to four months and the recovery period is considerably longer, as it requires both physical and mental strength. The extended period of diagnosing, treating, and recovering alone, will push any sportsperson to the bench or out of a game.



Pocket Diagnostic Tool App

A team of dedicated researchers from the UniKL British Malaysia Institute (BMI) have invented a 'Pocket Diagnostic Tool App', which is able to accurately identify ACL injuries in less than 10 seconds. The tool is a mobile application using Artificial Intelligence (AI), is Android-operating-system compatible, and is built specifically for Radiology and Orthopedic medical practitioners for diagnosis purposes. It scans and analyses Magnetic Resonance Imaging (MRI) images related to the ACL alone. Radiologists and Orthopedic specialists have confirmed that the result meets the medical operating standards.

Current Diagnosis Procedure

Typically in a hospital, the diagnosis procedure for ACL injury begins with the medical officer performing the Lachman test or physical test on a patient. After this process the patient is referred to the Radiology Department for MRI scanning. The Radiologist will provide pre-diagnosis result based on the MRI image. If further examination is required, the radiologist will then refer the patient to the Orthopedic Department. The Orthopedic Specialist will identify and advise the appropriate treatment based on the severity of injury – mild tear, partial tear, or complete tear.

How the Pocket App Helps

Some ACL injury cases handled by Radiologists have previously been disregarded due to pre-assumption of normal injury as MRI images may not always display these injuries to the naked eye. They can only be determined after conducting several other tests over a few weeks. Here is where the 'Pocket Diagnostic Tool App' comes in handy. It simplifies the process by detecting the injury and its severity within a few seconds after the MRI scan. The app works by having an MRI image uploaded into the app system for scan and analysis. It reveals the processed image with the diagnosis result which is accessible to both Radiologist and Orthopedic Specialist, and appropriate treatment can begin right away.

The Research

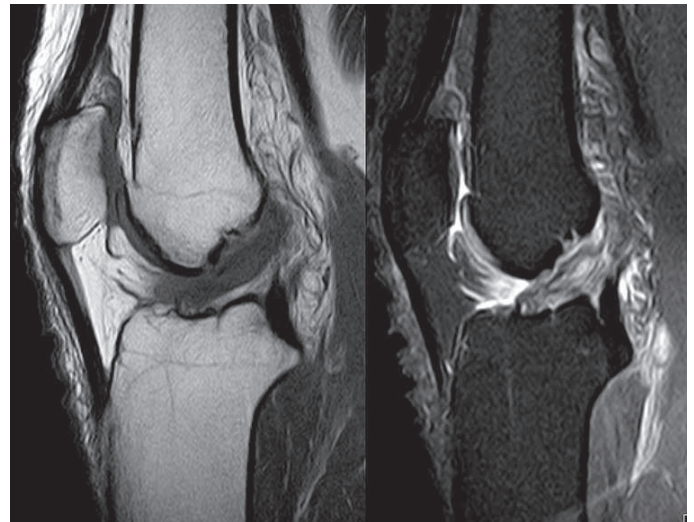
The 'Pocket Diagnostic Tool App' research began in late 2013 funded by a RM30,000 UniKL Short Term Grant. The research focused on four fundamental tasks:

- To design a suitable digital image-processing algorithm to identify ACL regions
- To extract several features from the knee MRI image for ACL diagnosis
- To differentiate ACL injury from other injuries
- To classify types of ACL injury, that complies with medical expert description

The research received a partial patent acknowledgement for the intellectual property, with several keen and ready stakeholders such as the Ministry of Health Malaysia, local hospitals and football clubs.

Supported by the Health Ministry, the research team was able to carry out simulations to test the app's effectiveness at the Taiping Hospital, Raja Permaisuri Bainun Hospital, and Changkat Jering Health Clinic in Perak state. The result showed almost 99% successes in diagnosis, making it possible to track patients' knee injuries precisely. Hence, the app gained positive feedback from medical practitioners and hospital management.

Based on the online feedback survey from the Taiping Hospital, 83.33% of medical practitioners were satisfied and ready to implement it. Most agreed that such a pocket app was convenient and helpful in their work.



Awards & Future Plan

The app has thus far received awards at both local and international arenas: -

- Europe Special Award and Gold Medal at the International Engineering Invention and Innovation (i-ENVEX) 2016;
- Gold Medal at the International Invention, Innovation, and Technology Exhibition (ITEX) 2018.

The research team plans to improve the current app version without modifying the initial idea. They are looking forward to commercialising the app via licensing, while at the same time expanding to build a wider business network. Furthermore, they hope the 'Pocket Diagnostic Tool App' will be greatly useful in the medical field and be utilised in all hospitals in Malaysia.

Research Team (UniKL BMI)

Head of Researcher : Dr Mohd Zaki Ayob
(Senior Lecturer, Electronics Technology Section)

Project Team Members :

Sazwan Syafiq Mazlan

(Final Year PhD Student, Electrical & Electronics Engineering)

Assoc Prof Dr Zulkifli Abdul Kadir Bakti

(Electronics Technology Section)

Muhammad Hanif Razali

(Master Student, Electrical & Electronics Engineering)



UNIKL
HONOURED IN 2018
**BRANDLAUREATE
AWARDS**



Universiti Kuala Lumpur (UniKL) celebrated its 16th Anniversary by winning the BrandLaureate Best Brand Award in Higher Education for the third consecutive year.

The BrandLaureate Best Brand Award is organised by Asia Pacific Brands Foundation and recognises achievements in branding among individuals, corporations and organisations.

UniKL President and Chief Executive Officer, Prof Dato' Dr. Mazliham Mohd Su'ud, proudly received the award on behalf of the university at the BrandLaureate Best Brands Awards 2017-18 Gala Dinner held at the Majestic Hotel in Kuala Lumpur.

The trophy is gold-plated in 24K gold.

The award is a remarkable recognition of UniKL's continuous brand strength in the world of tertiary education having positioned itself as a trusted educational establishment, with quality assured.

UniKL created thrills in the world of Brands & Branding by aggressively promoting its Brand Awareness and Brand Image through the 'We Are UniKL' and We4Asia campaigns.

The objectives were to increase market perception of programmes offered by UniKL, elevate the image of, and public confidence towards the university brand, and to magnify the visibility of UniKL amongst other competitors.

The Asia Pacific Brands Foundation is a non-profit organization that was established in 2005 and led by the current Prime Minister of Malaysia, Tun Dr Mahathir Mohamad, together with a board of Governors who are experienced leaders of industries.



Huffaz Professional UniKL Students Serve Indigenous Community



Educational background and certificates are not the only criteria in determining the quality of students and graduates.

Social responsibility towards community is equally important in providing an integrated and balanced system of learning. Universiti Kuala Lumpur (UniKL) is an 'Educational Entity' that upholds its motto- 'Where Knowledge is Applied and Dreams Realised'. The knowledge is readily available, but imparting and implementing it effectively remains another matter. This process, is of critical importance to society.

UniKL, in collaboration with the Student Affairs Unit (Counselling), Kuala Kangsar District Education Department in the state of Perak, recently organised a Kem Ibadah Siri 2 for students from the Indigenous community at SMK Bawong, Sungai Siput (Utara).

Since the success of the first Kem Ibadah in 2017, UniKL's Islamic Scholars Ustaz Muhammad Iqbal Samadi together with Ustaz Muhammad Asyraf Saifuddin (UniKL RCMP), Ustaz Azhar Aziz and Ustaz Abdul Rashid Abdul Halim @ Jaafar (UniKL MSI), Ustaz Zikro Othman and Ustaz Muhammad Zaki Zakaria (UniKL MIMET) jointly conducted the programme with participation of 30 Huffaz professional UniKL students.

According to UniKL's Chairman and Pro-Chancellor, Datuk Seri Dr. Adham Baba, the Kem Ibadah Siri 2 programme provides the students with a deeper understanding of Islamic teachings. They were thought of the proper ways in performing daily prayers while at the same time, focusing on knowledge, reading and understanding.

Under the UniKL Ulul Albab Programme, UniKL provides a platform of an integrated and balanced learning system centred on the spiritual, moral, intellectual and ethical values of Islam.

The ultimate goal of this programme is to produce holistic Huffaz Professionals. A certificate is offered for this programme, which is the Sijil Tahfiz Malaysia from the Darul Quran Jakim.

Although this programme is still new, it has successfully produced over 140 students from all 8 participating UniKL campuses. This will shape UniKL students' daily activities, based on the Qur'an and Sunnah.

****Huffaz – A group of 'Hafiz' or 'Memorisers' of the Qur'an.***

UniKL Produces Creative Entrepreneurs



'Creative Entrepreneurs' can be defined simply as true capitalists who believe in creative wealth.

They mainly use their own inner talent and way of work - either freelance or independent, which are capable of generating jobs, creating income, and sustaining business relationships.

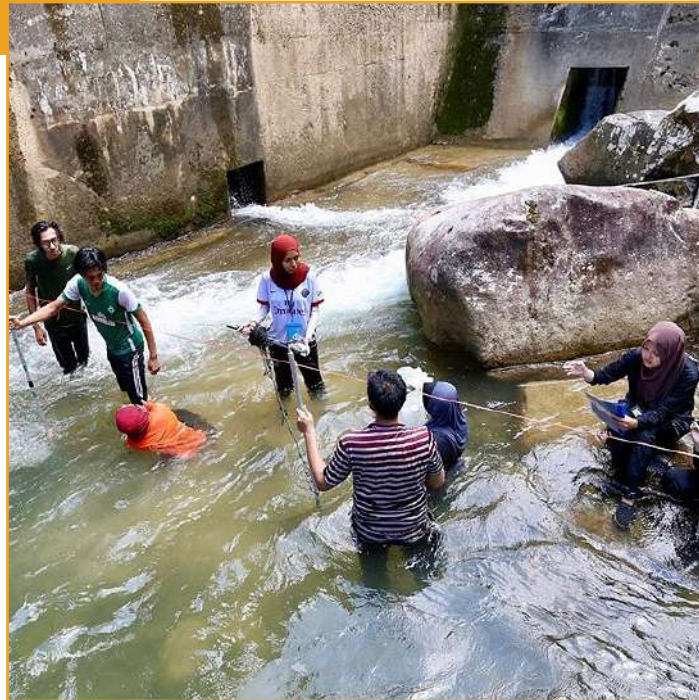
Universiti Kuala Lumpur (UniKL) has always provided platforms for its creative-minded learners to be globally ready. One such initiative is an incubator programme called Creative Industry Business Development Centre (CRIB) set up under the UniKL Malaysian Institute of Information Technology (UniKL MIIT), formed in September 2016 to help students become 'Creative Entrepreneurs'.

Under the CRIB programme, two talented Multimedia Technology (Interactive Multimedia) students, Qhairul Aizat Shahrul Ramadhan and Muhammad Muhaimin Aizat Musselihat, partnered and formed their own company called Kerian Production to produce video games playing on the theme of the Malay folk game, 'Konda-Kondi'.

The games portray classic characters from Malay folk tales such as 'Tanggung', 'Badang' and 'Raja Bersiung' which give children the avenue space showcase their skills in the game and a learning process as well. These games would be a yearly project that they hope to commercialise in the consumer market within a year.

The CRIB programme serves more as an internship training experience. It provides information and guidelines to assist students in establishing their business profiles and commercialising their creative and innovative products in the industry.

To date, CRIB has trained over 25 'Creative Entrepreneurs' in numerous projects involving reputable organisations like Petronas, the Rural Development Ministry and others.



UniKL SEAL Brave The Challenges

Sustainable Energy Analysis Laboratory (UniKL SEAL) is a research-active group established by Universiti Kuala Lumpur (UniKL) to help strengthen the University's footing in research and development in sustainable energy analysis.

Based in the Universiti Kuala Lumpur Malaysia France Institute (UniKL MFI) in Bangi, the group has undertaken, since 2013, research, outreach and collaboration with industry, education, dissemination CSR activities.

Its principle areas of specialisation are in sustainable energy analysis for efficient, economical, and environmentally friendly production of clean energy from renewable energy resources.

UniKL SEAL is made up of established, early career, and beginning researchers. The group's activities have had a strongly national and international dimension with affiliated members collaborating in various research projects in terms of joint funding, postgraduate supervision and shared facilities.

Together they bring a range of interests and expertise for research, development, demonstration and commercialization of scientific findings and technologies for the efficient, economical, and environmentally friendly production of clean energy.

UniKL SEAL is also actively involved in community engaged research which bring students and researchers together with the local community.

This is done through authentic community-academic partnerships framework where the students and researchers can enhance their skills through real-life experiences, while applying their knowledge to benefit the community.

UniKL Conferred 'Superbrand' Status



An outstanding institution of higher learning often needs a 'super brand' to help it sustain itself in an overcrowded industry. As consumers become more selective, super brands can be a key factor in determining choices. This is one of the many reasons Universiti Kuala Lumpur (UniKL) is striving hard to build its brand and reputation, in addition to refining the quality of its products and services.

It was a memorable day for Universiti Kuala Lumpur (UniKL) when it was conferred the 'Superbrand' status by Superbrands Malaysia. The award was presented during the UniKL Raya 2018 event and 14th UniKL Students Sports Carnival Closing Ceremony, on 28 June 2018 at UniKL Malaysia Institute of Aviation Technology (MIAT).

The award recognised UniKL's brand reputation and brilliant marketing approach in disseminating information to current and future students. The significance of the 'Superbrand' status is important to UniKL, as it enables a brand to strengthen its position, add prestige, and differentiate itself from competitors.

Securing the 'Superbrand' status is tough due to stringent procedures set by the 'Superbrands Council'. The brand has to be evaluated first by the council before being invited to join the Superbrands programme.

The council itself comprises professionals and experts from the world of branding, public relations, advertising, business, design, marketing, and product management. Superbrands is the world's largest independent branding arbiter that recognises the strongest and most valuable brands in the world through publications and national marketing programmes.





'I Want to be A CEO'

Kuala Lumpur - 'I Want to be A CEO' is a 3D Animation Technopreneur course conducted from January to early July this year. It was coordinated by the Creative Industry Business Development Centre (CRIB), with the collaboration of UniKL Resources Sdn Bhd (URSB). The aim of the course is to provide professional training by developing upcoming entrepreneurs skilled in 3D animation and mobile application for the creative industry.

Funded at a whopping cost of RM131,000 by MARA Perlis, a total of 10 students from various Malaysian states were selected for this '3D-preneur' training held at the CRIB's facility. The training comprised mainly of animation pipeline from the visualisation phase to the final post-production, and game development. On top of this, the trainees were also taught business management modules such as management, finance, marketing, and communication skills, while also being exposed directly to the innovative industry and urban cityscape of Kuala Lumpur.

One of the activities conducted during the course was a talk titled 'Animating Your Imagination' which took place at UniKL Malaysia Institute of Information Technology (UniKL MIIT). The speakers were influential figures from the local Animation industry, who are also alumni of UniKL MIIT. They are M. Fadhli Kamil Fauzi, founder of Kamil Studios, and Mohd Nazmi Mohd Yatim, creative director and co-founder of Wau Animation Sdn Bhd.

The 3D-preneur course was managed by the project manager, Dr Fauzi Naeim Mohamed, and chief instructor, Hanif Faiq Mohd Hashim at the coordinator centre, CRIB, which is an incubator programme under UniKL MIIT. CRIB is located at the 16th floor of the Universiti Kuala Lumpur (UniKL) City Campus building.

It provides facilities of an office space equipped with high-end workstations, relevant software and other support equipment for the purpose of multimedia and animation business development. CRIB is also a programme approved under the Eleventh Malaysia Plan (RMK11) by the Economic Planning Unit (EPU), Ministry of Economic Affairs, for a cluster of start-up company incubators managed by Majlis Amanah Rakyat (MARA).



Prof. Dato Dr Mazliham appointed MFUC Director



France and Malaysia have enjoyed decades of diplomatic relations, with education being one of the core areas of focus.

Malaysia's emphasis on education is rooted in the belief that it is the keystone to the development of its future economy. With 21 public universities, 23 private and 5 International University campuses, the Malaysian government had decided to diversify its collaborative efforts.

Universiti Kuala Lumpur (UniKL) was accorded international honour when its President and Chief Executive Officer, Prof. Dato' Dr Mazliham Mohd Su'ud was appointed the new Director of the Malaysia-France University Centre (MFUC) on 1st April 2018 by the Ministry of Higher Education Malaysia (KPT). With this appointment, UniKL began acting as the coordinator of MFUC activities on behalf of the Malaysian government.

The new director will look into the participation of Malaysian universities in MFUC's activities, especially those related to student mobility, and research involving the educational institutions of both countries. His position will not only uphold the image of UniKL but also its' owner's, Majlis Amanah Rakyat (MARA), and the country as well. This is in line with UniKL's strategy to be a leading entrepreneurial technical university and to produce enterprising global technopreneur graduates.

MFUC is an initiative between the governments of France and Malaysia, intending to foster educational and cultural relations. As a bilateral institution since 2006, MFUC acts as an interface between the two education systems, and facilitates degree transfers, student exchanges, joint researches and more, for levels ranging from pre-U to Doctorate.

Additionally, MFUC offers advisory service and assistance both to individuals interested in studying in France and to institutions intending for partnerships with French universities.

Note : The Ministry of Higher Education Malaysia (KPT) has merged with the Ministry of Education Malaysia and is now known as Ministry of Education Malaysia (Higher Education).





MIAT Rules In Sports Carnival




Malaysian Institute of Aviation Technology (MIAT) emerged overall champions in the 2018 Universiti Kuala Lumpur Students Sports Carnival (USSC).

MIAT won a total of eight gold medals, five silvers and one bronze in the 14th sports carnival that was hosted by the eventual champions from June 25-28 on home turf in Sepang, Selangor.

UniKL Malaysian Institute of Information Technology (MIIT) once again finished in second position with a haul of four gold medals, three silvers and a bronze while UniKL British Malaysian Institute (BMI) took third spot (4-2-6) and UniKL Business School (UBIS) finished in fourth position.


A total of 1,363 athletes comprising 940 men and 443 women from 12 UniKL's campuses participated in 13 events contested in the carnival, namely badminton, tennis, table tennis, rugby, netball, volleyball, futsal, football, sepak takraw, basketball, petangue, bowling and chess.



The Minister of Defence, YB Mohamad Sabu, graced the event that was also attended by UniKL President and Chief Executive Officer Prof. Dato' Dr. Mazliham Mohd Su'ud, and senior officials and staff of the university.

In his speech, Prof. Dato' Dr Mazliham expressed the need for university students to be exposed to positive values and skills to complement what they learn in the classrooms.

"Sports helps students become more active and healthier which in return will sharpen their focus and heighten the discipline required in their studies," said Prof. Dato' Dr Mazliham.



The President also extended his appreciation to students who had shown high commitment in the Sports Carnival despite it being held during the semester break. Sporting talent is extraordinary, and he hopes the students will maintain their outstanding performance.

He also added that the active involvement of students in sports will enable them to progress to higher levels and explore new opportunities in future.

Proud Moment For UniKL In ITEX'18

Exhibitions in the early days were meant to attract public interest and curiosity. However, modern-day exhibitions are more focus on preservation, education, and demonstration.

From a university's perspective, exhibitions provide several benefits in terms of establishing networking, serving as reference, testing application of research, attaining recognition and exposure to the latest discoveries in the study field. These are the key points for Universiti Kuala Lumpur's participation in most of related showcase events.

A group of UniKL's experts went on show at Asia's largest invention event - the 29th International Invention, Innovation & Technology Exhibition (ITEX'18) held on May 10-12 at the Kuala Lumpur Convention Centre.

It was a day to cherish when six UniKL institutes won gold, silver and bronze medals in 8 categories respectively. Biotechnology, Health and Fitness won three gold medals followed by Industrial Design (1 gold) and Manufacturing Process (1 gold).

Machine and Equipment category received a silver medal together with Educational Items (silver) and Environmental and Renewal Energy (silver) while Electricity/Electronics and ICT & Multimedia received a bronze medal each.

ITEX'18 featured exhibitors from 20 countries out of which 77% of participants were from Malaysian universities and 23% international.

An estimated 1,000 inventions were showcased in the three-day exhibition.

The exhibition drew 12,000 visitors that included investors, venture capitalists, manufacturers, entrepreneurs and technopreneurs, corporate sector and others.

The ITEX series is managed by the Malaysian Invention and Design Society (MINDS) for almost three decades under the patronage of Ministry of Science, Technology, and Innovation (MOSTI).

ITEX is a professional marketplace for ideas, invention, and innovation. It sets the stage for the meeting of local inventors and innovators with investors, to propel ideas into commercially viable realities.

****Under the new government ruling, MOSTI alongside certain sector and division, have been restructured to form the Ministry of Energy, Science, Technology, Environment and Climate Change (MESTECC).***



UniKL Voice in Search of Fresh Talents



Shakespeare's famous quote from the play Twelfth Night was "if music be the food of love, play on."

And Universiti Kuala Lumpur students have a great passion for music too when they formed an exclusive club called 'UniKL Voice (UV)' specially catered for UniKLIans.

'UniKLIans' is a term coined to reflect the true spirit of the '#WeAreUniKL' tagline, as it involved current and former students.

Besides singing and music, the club also promotes a campus lifestyle with strong team spirit and sense of belonging. The event also doubled up to increase club membership.

Full of 'Appassionati Di Musica' or 'Music Enthusiasts', UV organised an exciting 'UniKL Voice Audition' in March 2018 at the Quill City Mall, Kuala Lumpur. The audition was held to expand and promote the club's growth in line with Universiti Kuala Lumpur President and Chief Executive Officer Prof. Dato' Dr Mazliham Mohd Su'ud's vision for the club in search of 'New Faces with a Variety of Talents'.

The search was not limited to skills in singing but dancing, beatboxing, and instrument performances as well. Participants were given the choice of performing either in Solo, Duo or 'A Capella' style.

UV was formed in 2007 with the moniker 'Suara' and later in 2014, was renamed 'UniKL Voice'. The club members primarily sing during Universiti Kuala Lumpur's Convocation Ceremonies with occasional performances on ASTRO Talk Show, Majlis Amanah Rakyat (MARA) Events, Malaysian Anti-Corruption Commission's (MACC) Song Launching, MMU and Nu Sentral School Holiday Programmes.

Prior to the actual performances, all UV members are given training lessons in vocals, choreography, live performances, studio recording, song production, and music video production.

Currently, UV is under the management of UniKL Corporate Branding and Strategic Communication Department as a special strategy project for brand awareness.



**"if music be the food of love,
play on"** – Shakespeare

MELAKA: HISTORICAL SPLENDOUR

"MELAKA: HISTORICAL SPLENDOUR" consist of city-dwellers from diverse disciplines and background, each with a keen eye for recording the time and space of the city.

Capturing a city in constant motion, where even commonsense perceptions are in constant conflict, the photographers have framed the cityscape into images that are strangely familiar and yet intimately alien. Amidst these seemingly random ideas is the same desire of each photographer to tell his or her own stories of the city.

This body of works contained in this exhibition is the outcome of continuous class discussion, sharing and reflection among the photographers during the past 4 months. After the completion of 14 weeks' class & 3-day trip to Melaka, these 48 young talented photographers, who wanted to share their own personal vision of the city, came together to form the "Melaka: Historical splendour photography" project.

It all started when a group of us blazed the lanes at Bandar Hilir on our mountain bikes. My friends and I huffed and puffed as we cycled around the city to explore the great cultures of Melaka.

These experiences inspired us towards this year's concept for the photography exhibition: "MELAKA: Historical Splendour". As a photography lecturer, I would like to invite my students to join us on a journey and exploration of man's relation with the environment as a whole. Together we shall discover the city's historic culture & heritages.

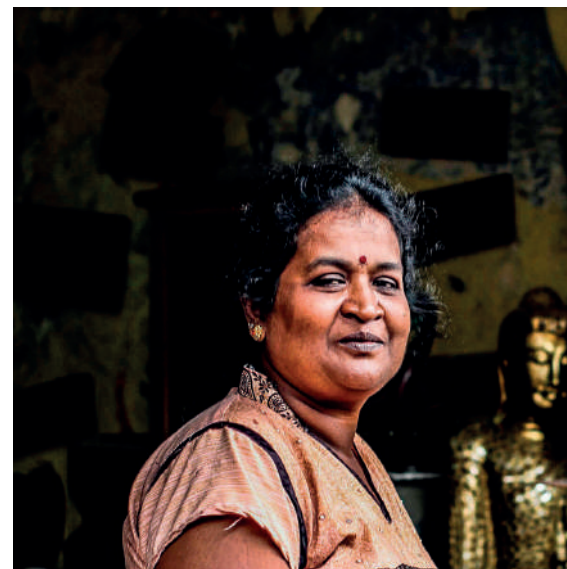
The world is beautiful with beauty and our artist and designers have drawn inspiration from it since the time of our forefathers, as seen in our cultural heritage, our architecture, our carving and crafts.

I hope that we will enjoy the exhibition and feel the connection that we had experienced with nature. We have come to realise that we are all connected with each other as brothers and sisters, and with nature. We have also realise that as photographer and designers, all our inspirations and talents are gifts from Allah swt.

Ahmad Fahmi Hj Mohamad
Lecturer of Digital Photography
Malaysian Institute of Information Technology (MIIT)

PHOTOJOURNALISM - KIJE Fatin Nur Naddirah Mohd Syahrizal

Kije means work in Terengganu. I choose Terengganu dialect because I was born and raised in Terengganu. Work is an essential tool which individuals can achieve their goals, flourish and have a meaningful life. It is not at the root of a meaningful life but is an inseparable part of it. People who choose their occupations wisely, thoroughly enjoy their work. This contributes of their overall happiness.





PHOTOJOURNALISM - THE GOLDEN CHERSONESE Raphael Chabuk Gelayan

The Golden Chersonese, meaning the Golden Peninsula, was the name used for the Malay Peninsula by Greek and Roman geographers in classical antiquity, most famously in Claudius Ptolemy's 2nd-century Geography. The Malay term Tanah Melayu was derived from the word Tanah (land) and Melayu (Malays), thus it means "the Malay land". The term can be found in various Malay texts, of which the oldest dating back to the early 17th century. Now, Tanah Melayu is called Malaysia. Malaysia is richly known as an incredibly diverse country, containing many different ethnicities, languages, cultures and religions.



PHOTOJOURNALISM - EMAS TUA'H Muhammad Nazriel Haziq Bin Nasarudin

EMAS TUA'H is a proverb with ultimately profound meaning and if understood correctly, then is worthy in our life. Look at these pictures, despite the medication and beautification performed on the modern products, they're still able to sell old or antique good products in Malacca. They believe that the value and worth of any old products are immeasurable. They feel that old memories are great memories in digital centuries. They accept that old things and materials are neither wastes but precious for some individual just like gold. The foundation for all the new things in the present world was laid in the olden days and what is appeared at present is all the improvisation of the old inventions which form the base of the new ones. That is the reason why each individual need to value old things much as these are the basics of learning new things.



PHOTOJOURNALISM - TEROMPAH

Ahmad Fahmi Hj Mohamad

Terompah is a Malay word that describes the wooden clogs or footwear worn by folks in bathrooms or toilets in the 1970s and earlier.

It has a distinctive advantage over the rubberized Japanese slippers as it is non-slippery on a smooth or wet surface and is very safe to wear.

A famous outlet in Malacca that sells Terompah is Gees Original located on Jalan Hang Kasturi but there are many other traders along Jonker Street who sell wooden clogs.

The footwear comes in many designs, colours, patterns and sizes, mostly featuring Baba Nyonya designs and styles.

PHOTOJOURNALISM - OGHUK PIKUK

Siti Shaznee Shafieza Bt Shamsudin

Oghuk is derived from the minangkabau dialect in Negeri Sembilan. It refers to someone who is rather hyperactive and noisy.

Instead of sitting idle in old age they are often seen occupied with some form of chores that keeps them busy throughout the day.

It is a past-time trait rather than the need to earn extra income for the family. Very often we see old folks in villages turn their homes into sundry shops or food stalls while others are involved in charity and welfare activities.

Such a scenario is common among men and women in villages that also serve as tourist attraction.

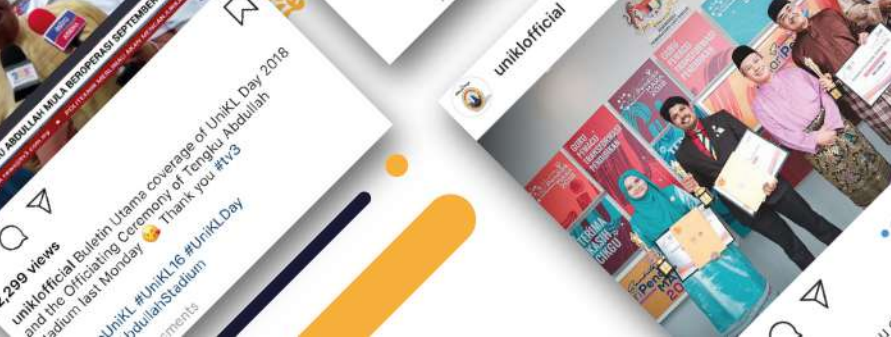




Unikl SOCIAL MEDIA BUZZ



Sebagai sebuah institusi pengajian tinggi yang mengkhususkan pendidikan teknologi kejuruteraan kimia, Universiti Kuala Lumpur Malaysian Institute of Chemical and Bioengineering Technology (Unikl MICET) memfokuskan inovasi dalam setiap perkemuka di negara ini. Sejak dengan kemampuannya yang memiliki kemudahan peralatan lengkap dan terkini dalam bidang teknologi kejuruteraan kimia, Unikl MICET membuktikan kebolehannya apabila berjaya menghasilkan inovasi yang telah memenangi pelbagai anugerah dari dalam mahupun luar negara.





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