### **DECEMBER 2017**



Facing the Future: The 5 Key Traits Essential for Millennials Pg.06



Diving into the Depth of Success





15 Years and Advancing

Pg.18

Universiti Kuala Lumpur

Designing For The Future
Preparing The Manpower For The
Booming Rail Industry



The Best Preparation For Tomorrow 18 Doing Gour Best H. Jackson Brown Jr.

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# DESIGNING FOR THE FUTURE

# PREPARING THE MANPOWER FOR THE BOOMING RAIL INDUSTRY

study by Boston Consulting Group revealed that on average, Malaysians spend 53 minutes stuck in traffic, the longest in Asia after Bangkok, Jakarta, Manila and Hanoi. Meanwhile, people in Singapore and Hong Kong spend an average of 30 and 35 minutes doing the same. This is not surprising seeing that these two cities have highly developed public transport systems.

According to Malaysia's Department of Statistics (DOS), the population of Klang Valley or greater Kuala Lumpur (KL) in 2017 was 7.25 million people. This translates to almost 23% of Malaysia's general population in an area of 2,843 square kilometres, or roughly 2.2% of the size of Peninsular Malaysia. It places KL on par with some of the more congested cities in the world.

The statistics in Malaysia and other countries worldwide indicate a correlation between GDP and mobility growth – increased population, employment and economic activities always translate into higher mobility requirements. A first class land public transport system therefore, is especially important. Realising this, the Malaysian government launched the National Rail Industry Roadmap, led by the Government Transformation Programme (GTP), Economic Transformation Programme (ETP) and the 10th Malaysia Plan (10MP), all of which aim to deliver a high-impact land public transport transformation. It provides a comprehensive strategy to achieve the vision of making public transport the rakyat's choice for mobility by 2030. (National Land Public Transport Master Plan, 2012).

The Malaysia Railway Supporting Industry Roadmap (MRSIR), a plan developed to complement the National Rail Industry, envisions a high demand in engineering services in the field of Design, Manufacturing and Maintenance, Repair and Overhaul activities (MRO) until the year 2030. This is in line with the rapid development of the rail sector in Malaysia where over 1000km of new railway lines are being built. Major rail projects already built or in the pipeline include the East Coast Rail Link (ECRL), Mass Rapid Transit, KL-Singapore High Speed Rail and the Light Rail Transit Line 3. The rail infrastructure expects to see a high investment of RM160 billion by 2030. 30,000 new positions are projected to be created in all rail segments of civil and system projects by 2020. This number is expected to increase up to 96,000 by 2030. To fulfil the demand of skilled human capital, the government has set up the Centre of Excellence under Rancangan Malaysia ke-11 (RMK 11) and Universiti Kuala Lumpur, a fully owned subsidiary of MARA has received the mandate to establish an institute specialising in rail technology.



Majlis Amanah Rakyat or MARA, an agency under the Ministry of Rural and Regional Development is entrusted to lead young talent development for railway competency and professional development. A sum of RM31.5 million has been allocated to develop both industry-standard as well as, industry-oriented facilities.

On 23 March 2016, MARA established what became the first national higher institute focusing on rail technology, the Asia Rail Centre under the purview of UniKL. It offers professional courses, licensed programmes and customised courses for the professional development of the rail industry workforce in Malaysia. Asia Rail will act as a Centre of Excellence for the rail industry to cater to future demand for quality human capital in the nation and region.

Asia Rail offers programmes in the railway domain such as rolling stock, signalling & communication, electrification, permanent way, railway safety, scheduling, customer service, maintenance operation and management of rail technology. It is the only institution that is not an existing railway operator, with the rolling stock programme in South East Asia. The development, design and commissioning of the rolling stock facilities were all done by UniKL's very own industry experts. Currently, there are three railway experts with 15 years of industrial experience on board UniKL Asia Rail on a full time basis.

Asia Rail has also gone on to establish partnerships and collaborations with key organisations and institutes within the country and worldwide. Among others, they are Rapid Rail, Prasarana, MRT, KTMB, Malaysian Rail Link (MRL), MyHSR, Technology Depository Agency (TDA), China Communications Construction Company (CCCC), Siemens Malaysia, Bombardier, Hartasuma, CRRC, CCCC-GK, Rasma Corporation and CMC Engineering. Our institutional partners meanwhile include, MTR Hong Kong, International Railway Signalling Engineers (IRSE), University of Sevilla, ADIF SPAIN, DB Rail Germany, JR Kyushu and Hunan Vocational College of Railway Technology.

These partnerships and collaborations will strengthen Asia Rail's capability and capacity to provide world- class academic delivery. Asia Rail also benefits from the Industrial Collaboration Programme (ICP) which is managed by the Technology Depository Agency (TDA), an agency under the Ministry of Finance, to elevate the current capability and capacity of the country in identified strategic areas, to the next level.

All courses and customised programmes are offered to companies and individuals looking to enhance their prospects especially in the railway industry.

The railway industry demands for competent and knowledgeable young talents to lead and manage various critical fields. Thus, UniKL is committed in its efforts to produce highly skilled graduates for not just Malaysia's railway industry, but Asia's as well. This will propel the country to greater advancement and take it towards becoming a highly-skilled and developed nation.

Members of the public and interested organisations are welcome to visit Asia Rail and its facilities from Monday to Thursday during working hours.

For further inquiries on short courses, academic programmes and facilities visit, you may contact Azman Senin (azmans@unikl.edu.my), Norhudah Basri (norhudah@unikl.edu.my) and Radziana Abdul Rahman (radziana@unikl.edu.my)

### COURSES AND PROGRAMMES OFFERED BY ASIA RAIL INCLUDE:

- 1. PROFESSIONAL CERTIFICATION IN ROLLING STOCK MAINTENANCE
- 2. SIGNALLING AND COMMUNICATION LEVEL 1, Level 2 and Level 3 (MTR Hong Kong Module)
- 3. PERMANENT WAY DEVELOPMENT PROGRAMME (INTERNATIONAL MODULE)
- 4. THERMITE WELDING FOR RAILWAY VENDOR AND OPERATORS
- **5. RAILWAY SAFETY MANAGEMENT**
- 6. BACHELOR OF ENGINEERING TECHNOLOGY (HONS.)
  IN ELECTROMECHANICAL SYSTEM

# FACING THE FUTURE: THE 5 KEY TRAITS ESSENTIAL FOR MILLENNIALS

PROF. DATO' DR. AZANAM SHAH HASHIM

DEPUTY PRESIDENT, ACADEMIC AND TECHNOLOGY

UNIVERSITI KUALA LUMPUR

# 'This current generation is a difficult bunch to understand'

This phrase is often used by the previous generation to describe the Millennials and Gen Z. Sociologists ascribe certain general characteristics to Millennials (those born between 1977-1997) and Gen Z (those born after 1997), which are:

- They are often impatient to achieve what they perceive as success in life;
- •They are more aware socially and are more vocal on issues affecting people around the world such as human rights, gender inequality, climate change etc;
- They are also more family centric, meaning, starting a family is higher up on their to- do list; they are willing to sacrifice their career for their family and;
- This group is also the most technologically savvy, having been exposed to the digital world very early in life.



These unique characteristics and technological proliferation over the past 20 years, have led this generation to rethink, redesign and approach life differently. They have changed the way we teach, learn, communicate, interact, work and play. By 2050, Millennials and Gen Z will occupy half of the working force around the world. All sectors are now being driven to change policies and operation methods in reaction to the technological advancement and the need to accommodate the growing influence and demands of the Millennials.

This generation however, is graduating to face one of the toughest periods in workforce. An uncertain economic environment, debts from coming right out of college and a non-hiring job market as more jobs are being automated, are a few of the main challenges, not to mention social pressure resulting from a more connected society (read social media). Despite this, millennials and Gen Z are exposed to the widest possible career choices resulting from new and unlimited opportunities available. Compared to previous generations, Millennials and Gen Z are more inclined to become entrepreneurs and independent business owners.

Regardless of the positive lifestyle change, thinking and desires of the Millennials and Gen Z, there are still some good old-fashioned values that can be adopted by them, to succeed. To thrive, they must display five key skills to help them achieve success in any path or career they choose.

### **COMMUNICATION SKILL**

Despite being more connected to one other compared to previous generations, albeit digitally, the Millennia and Gen Z appear to have problems communicating within personal settings like college or the workplace. In an age where everything is done digitally such as shopping, ordering pizza, banking and more, they lack the ability to hold a personal, face-to-face exchange. They have trouble articulating ideas, and expressing their views confidently in conversations. Within the Malaysian context, poor grasp of the English language among graduates adds to the problem. Students generally do not seem to appreciate that fluency in English empowers them and leads towards a more fulfilling career. However, this is not exclusively a Malaysian problem; this trait is also observed worldwide amongst this generation.

The problem in Malaysia can be traced back to the early education environment, where less emphasis is placed by both parents and society on excelling in the English language. The university can only help so much; it cannot equip graduates well enough for the work industry where English is the medium, particularly in engineering and tech-related fields. As such, gaduates lack confidence when communicating in English, hampering their professional growth. Mastering English and the ability to articulate ideas and thoughts therefore, will give them an extra boost in the job market.





### **ENHANCE YOUR CRITICAL THINKING SKILL**

A survey by the World Economic Forum's Global Agenda Council which looked at employment skills and workforce strategies required by employers for the future, lists critical thinking as an important requirement in graduates. Success in the knowledge-economy or K-economy era, requires people who can analyse data, find solutions and arrive at conclusions, as well as those who are able to effectively communicate with others. Graduates must be able to scrutinise information and extract the required insights from data, to make informed decisions.

Critical thinking skill requires excessive training of the mind and control of information at hand. Graduates must be able to differentiate right from wrong; relevant from irrelevant; and important from trivial, to produce critically informed decisions. The curriculum can only encourage, but enhanced critical thinking only develops from the student's own willingness to progress.

### **READ THE RIGHT MATERIAL**

Despite the abundance of books and information easily accessible, many students show a lackadaisical attitude when it comes to reading the right material. They may actually be reading more than the previous generation but the inclination is towards light hearted materials and entertainment news, a fact that is observed from the amount of time spent on social media.

This unfortunately does not challenge or improve their intellectual capacity, and is a huge waste of resources. Students should instead, read more intellectually challenging books, both fiction and non-fiction. This would also sharpen their communication and critical thinking skills.

### **BE DIGITAL SAVVY**

In an age where almost everything is digital or automated, UniKL graduates must be equipped with the right digital knowledge. There is no doubt that this generation is the biggest consumer of digital and tech facilities, but being active on social media is not a sign of being tech savvy. Graduates must equip themselves with the right digital knowledge to stand out in the employment market. They must not only be consumers of technology, but must be able to use, manipulate and apply digital technology efficiently.

An example is in how companies and online entrepreneurs are taking advantage of resources like social media, SEO (Search Engine Optimisation), and other related digital marketing strategies to increase their brand



presence and sales. This was not the case 20 years ago when things were more complicated or less user friendly. Digital facilities are much simpler and accessible now and so, students must increase their digital knowledge to enhance their value and careers.

### **ALWAYS BE PATIENT**

The millennials are an eager bunch and they want to leave immediate and meaningful impact on whatever they do. When the desired results do not materialise, they feel frustrated. It takes time for such impact, especially when it involves an organisation or society. Change cannot happen overnight or through one simple act, unless it is under very special circumstances.

'Experience is the greatest teacher'. One cannot gain it by reading textbooks nor from within classrooms. Millennials must be willing to work hard and from the low rungs of the work ladder, as well as be steadfast in their pursuits. The virtue of patience is much; along the journey many more positive traits will develop to arm this generation for future successes.

#### **CLOSING**

The world is moving towards Industry 4.0. We are talking about the coming together of multiple fields such as computer science, biology, physics, mathematics, social sciences and others under one platform known as big data. Scientists and industries are already able to understand the previously unpredictable nature of humans through advancements aided by the introduction of Internet of Things (IOT), improvement of Artificial Intelligence (AI), and other digital innovations. This leads to better decision making and strategic moves in the arena of business and social policy making.

The technological renaissance taking place currently is such that what was considered to be advanced last year, might be obsolete this year, and what is deemed as a technological breakthrough this year, may be outdated in the next two or three years. The education sector, parents, society and students themselves, need to reflect and reassess their approach towards the future. Graduates must be ready to face this reality, and prepare themselves accordingly in order to thrive in the real world.



# RENEWABLE SMALL-SCALE SOLAR POWER SOURCE

BY: DR. MOHD ZAKI AYOB, SENIOR LECTURER UNIKL BMI, ABDUL HALIM ABD. RAHMAN, LECTURER UNIKL BMI AND MOHD SHAHIR SHAUFI MASSEREN, DIPLOMA STUDENT UNIKL BMI

ishermen in Malaysia are divided into two main categories, commercial and traditional. Commercial fishermen are those with bigger fishing boats and are well equipped with state-of-the-art technology. They are predominantly deep-sea fishermen who spend longer time at the sea.

Traditional fishermen are also known as artisanal fishermen; these are small-scale, low-technology and low-capital fishing practices operated by individual fishing households. They make shorter fishing trips to locations closer to the shore. Artisan fishing uses smaller, traditional fishing boats and fishing techniques like the rod and tackle, fishing arrows, harpoons and cast nets.

Because of the smaller scale of their fishing activities, most traditional fishermen live below the poverty line. They support local consumption and are driven by day to day sustenance. Their trips to the sea are very much dependent on daily weather, as bad weather means loss of income. Upgrading their fishing boats and obtaining new technology are also financially tough.

As such, a group of researchers from UniKL British Malaysian Institute were motivated to create the Small Scale Portable Solar Power Device, an innovation to help improve the working conditions of traditional fishermen.

#### PROJECT DESCRIPTION

This project involves the designing and construction of a small-scale, portable solar power device for the fishing industry. It uses solar energy to generate alternative power and can be used anywhere and anytime without plugging into any wall or floor power outlets.

This renewable energy device is powered by a single solar panel that grants at maximum 10 Watt, 21.96 Volts for Open Circuit Voltage, 0.63 Ampere Short Circuit Current, and 1000 Volts for Maximum System Voltage. These outputs are sufficient for operating basic electrical appliances, for instance, charging mobile phones, power banks and lighting equipment. The device is suitable for night use as it stores power in the storage unit attached to it, after being charged in daytime. The stored power can fuel all-night operations and can be solar-charged once again the next day.

The photovoltaic module or solar panel, absorbs energy from the sun and converts it into electrical power. The converted maximum of 10 Watts, 17.8 maximum voltages and 0.5 Ampere of current is then directed to a solar charger controller that controls the flow of energy to the rechargeable battery and LED lamp respectively. The LED lamp receives two energy feeds; the first is from the solar panel and the other is from the battery. When the LED lamp is not in use, the feed from the solar panel will be channelled fully to the rechargeable battery. Ultimately, this device will reduce dependency on fossil fuel typically used by fishing vessels.

#### **MOTIVATION**

The driving force for this project is the need to reduce power consumption by boats used by fishermen. The project targets seamen users as the largely sunny weather at sea will provide free solar power. In particular, the researchers target seamen at Kuala Selangor as primary users as they work on boats and are exposed to direct sunlight, a key element in a solar based project such as this.

The seamen also work at night where potential electrical appliances would include LED lamps. In short, this device will be useful for fishermen because:

- 1. It is portable.
- 2. It is easy to use simply plug into existing electrical systems.
- 3. It reduces consumption of fossil fuel, is environmentally friendly, and promotes Green Energy.
- 4. It lowers running costs for fishermen over long term.

### CONCLUSION

Current work on the project stands at the prototyping stage. Future work will be directed towards portability enhancement, along with acceptance test. Once in operation, the device will help fishermen cut fuel costs for electrical generators, saving them money for other essential upgrading. The device will also allow fishermen stay longer at sea and potentially increasing their catch and income.



# IN MOTION - INTEGRATING PANOPTO INTO MOODLE TO ENHANCE E-LEARNING ASSOC. PROF. DR. MOHD YUZRI MOHD YUSOF

"Moodle is an excellent Virtual Learning Environment (VLE) system, and one that we've been very happy with. However, it was never designed for managing videos."

Seeking to enrich the learning experience for students, the Centre for Instructional Technology and Curriculum Development (CITC) at Universiti Kuala Lumpur (UniKL) has created an initiative to encourage the use of videos for teaching and learning. In line with the university's aspiration to implement innovative teaching and learning, UniKL sought to improve student learning by giving lecturers the tools to create more eLearning content through blended learning, flipped classroom and massive open online courses (MOOCs). These initiatives strategically support the Malaysia Education Blueprint 2015-2025's Globalised Online Learning (Shift 9).

During the early stages of eLearning implementation in UniKL, lecturers prepared video-based lectures, tutorials, and other supporting materials. However, UniKL soon discovered that in order to effectively use the new course content, the institution would need a better system for managing videos.





#### INADEQUATE SUPPORT FOR VIDEO IN THE VLE

CITC is responsible for promoting the use of VLE and Panopto in UniKL. The leader in CITC's Instructional Technology Unit, Associate Professor Dr. Kamaruzzaman Ismail, together with eLearning coordinators from 12 UniKL institutes, continuously evaluate the usage and effectiveness of embedding current instructional technology in teaching and learning, especially with the use of videos in eLearning.

Adrian Hisham Mohd Don, Senior IT Executive at the UniKL Information and Communication technology Division (ICTD), helped to provide the technical support in integrating Panopto into VLE. While evaluating UniKL's video eLearning initiative shortly after its introduction, Mr. Adrian was surprised to discover that ensuring students' access to new video learning materials was proving more challenging than anticipated.

In the initial stages, with no standard system for video storage and sharing, UniKL institutes used their own ways to store and share their videos. As a result, students' access to recordings varied from class to class. Sometimes, certain videos were even left unpublished or unviewed.

To create a more consistent experience, CITC began using Moodle, UniKL's VLE, as a central library for storing video content and making it accessible to students. In fact, lecturers uploaded so much video content into VLE that UniKL had to increase its server capacity to accommodate the files.

The challenge of storing videos on the VLE however, was that it exceeded bandwidth limitations. The Moodle VLE also fell short in other ways when it came to video management. For students reviewing class material, searching for specific video content was difficult. Likewise, replaying video content from the VLE was inconsistent across most electronic devices. It quickly became clear that on its own, UniKL Moodle VLE platform would not be a sustainable long-term solution for managing videos. As lecturers continued producing more video content, the limitations of the VLE would eventually hinder the university's ability to meet its eLearning goals.

UniKL needed a solution built specifically for the purpose of managing videos that would make storing, sharing, and searching video content easy as more was created.

"We were looking for end-to-end support for recording, editing, and publishing. It needed to be easy to use, and to feel like it was truly part of Moodle. That's what we found with Panopto." — Associate Professor Dr. Kamaruzzaman Ismail, Senior Executive, Centre for Instructional Technology and Curriculum Development (CITC) at Universiti Kuala Lumpur.



### THE SOLUTION: A VIDEO PLATFORM WITH SEAMLESS VLE INTEGRATION

After researching the market, UniKL narrowed its search to Panopto and Kaltura. In the end, UniKL chose Panopto for its user-friendly interface, seamless Moodle integration, and scalable licensing model.

### THE RESULTS: MORE LECTURES RECORDED AND BETTER ACCESS FOR STUDENTS

Following a straightforward implementation, including integration with Moodle, user provisioning, and internal training, UniKL has seen a healthy adoption of Panopto. With the introduction of Panopto, the number of UniKL lecturers using videos in their teaching and learning activities doubled. Lecturers continue to produce a large number of eLearning videos, and feedback has been positive.

Assoc. Prof. Dr. Kamaruzzaman explained why he believed the adoption of Panopto in UniKL's VLE was so successful. "The top management of UniKL was committed to ensuring the implementation of the right technology systems critical to supporting our eLearning initiatives," he said. "With leadership driving the changes, we were able to utilise a video content management system that would ultimately reduce costs, improve student learning, and capture invaluable knowledge from lecturers."

Added Prof. Dato' Hj. Ahmad Zahir Mokhtar, Deputy President, International, Industrial & Institutional Partnership (IIP) at Universiti Kuala Lumpur, "With my tight schedule, the Panopto video system certainly helps a lot in my teaching. I am able to prepare my lessons as video recordings and upload them into our VLE, enabling my students to learn both prior to my lecture, as well as after class. I have incorporated videos into my flipped classroom and problem-based learning (PBL) activities as well, which seems to inspire my students and engage them more in their learning."

Today, every lecturer at UniKL is expected to produce at least one hour of video content per year, and many now rely on Panopto's recording and editing tools to improve the quality of their instructional content. With Panopto, UniKL students are also able to access, search, and play video content directly within the Moodle VLE.

Looking to the future, UniKL is excited to use Panopto to livestream video for campus events and communications. The university also plans to use Panopto internally to support faculty training and staff on boarding.





MUHAMMAD FAJRUL OMAR MUHAMMAD RIDZUAN AMBASSADOR – UNIKL ALUMNI UNIVERSITI KUALA LUMPUR MALAYSIAN INSTITUTE OF MARINE ENGINEERING TECHNOLOGY – UNIKL MIMET

since his childhood days, Fajrul Omar had shown a deep passion for the marine world; little did he know that his passion would turn into a career. "I have always been fond of the sea and through UniKL MIMET, I am now living my dream."

24-year-old Fajrul is an alumnus of Universiti Kuala Lumpur Malaysian Institute of Marine Engineering Technology (Diploma in Engineering Technology, Electrical and Electronics year 2012-2015, UniKL MIMET). A native of Kelantan, his love for the marine world was sparked by the time he spent at sea as a young boy with his fisherman grandfather.

At UniKL MIMET he joined the MIMET Aqua Club, a student club which conducted water activities like scuba diving, kayaking and snorkelling among others. It was here that he was exposed to underwater diving.

"While studying at UniKL MIMET, I used to go on a 400km bus journey twice monthly to Pulau Perhentian, a popular dive spot in Terengganu. I helped a dive instructor there who took tourists out on recreational diving. In exchange for the help, I received free scuba diving sessions," he said with a grin. "I also took related courses starting with OWD (Open Water Diver), then AOW (Advance Open Water) and then became a certified public safety diver." As a public safety diver, Fajrul is able to join scuba diving rescue teams or conduct search and recovery dives.





"Initially, I was keen to pursue a professional diving instructor course which would allow me to become a certified diving coach but the cost was too high," he said.

After graduating, Fajrul worked as ship technician for a shipping company based in Labuan. Unfortunately, the oil and gas industry suffered a slump and by the end of his six-month contract, he was facing unemployment. Jobs were hard to come by and he remained unemployed for almost a year.

"As the oldest of four siblings and the only boy in the family, I had to be strong and continue fighting, as my family's support meant a lot to me. My passion for diving and the marine world never faded, and I continued my pursuit by enrolling in a diving instructor course organised by Yayasan Peneraju Pendidikan Bumiputera under TERAJU."

Following the course, Fajrul upgraded his skills and obtained PADI (Professional Association of Diving Instructors), a professional certification with a world-wide recognition. With PADI, Fajrul was able to conduct diving lessons and grant certification to recreational and commercial divers. With strong will and capital saved from his previous offshore ventures, he founded his own diving company, the Black Pearl Dive Team, with two friends who shared his passion. The Black Pearl Dive Team does not only conduct diving classes, it also carries out commercial diving exploits like underwater inspection, welding and related tasks, working with MNCs and other companies in the country on underwater jobs around Malaysia.

"People are generally concerned about the equipment and safety aspects in scuba diving, but it is actually very safe and not that difficult. Divers are always briefed carefully beforehand on the fundamentals, safety aspects and equipment handling. The key is to keep calm and apply the right breathing technique and safety practice when underwater. The safety and quality of the diving equipment are my main priorities in ensuring the comfort and well-being of my divers."

The founder and trainer of the Black Pearl Diving Team offers some tips to those looking to explore diving. "One does not need to know swimming to become a diver. Both activities are different in their fundamentals and operation. However, being able to swim will be an added advantage. Plus, those who do not know how to swim, tend to be more nervous. Panicking will only cause one to lose focus and endanger themselves."

On his plans for the future, Fajrul said, "I hope to establish my own dive center in five to ten years time and train more deep sea divers. I want to promote and create more awareness of the sport for both recreational and commercial purposes. Philippines and Indonesia are currently South East Asia's biggest producers of divers and seafarers, with Thailand coming in a close third for recreational divers. Their diving scene is very much bigger and advanced compared to ours and as such, they are able to export their divers to other parts of the world. The opportunity for growth in Malaysia is also huge. I want to see the Black Pearl expand its commercial ventures beyond Malaysia."

Fajrul is amongst the many UniKL alumni who have become successful entrepreneurs, playing their trade and services for the nation. It has always been UniKL's aspiration to produce successful entrepreneurs among its alumni. This is also in accordance with MARA's concept of 'Global Education and Entrepreneurship', which envisages more UniKL alumni carving out successful careers as global entrepreneurs. Fajrul is now giving back to the university by conducting regular talks for students and is also advisor at the diving club at UniKL MIMET.

Interested in a scuba diving license or engaging the Black Pearl Dive team? You may reach out to them at infoblackpearldivers@gmail.com



# Unikl-15 YEARS AND ADVANCING

uala Lumpur, 21 August 2017 - Universiti Kuala Lumpur, a technical university established under Majlis Amanah Raya (MARA) to strengthen vocational training as well as empowering Malaysian education to fulfil the nation's human capital, turned 15 on 20th August 2017. To mark the momentous milestone, a celebration was held concurrently at all 12 campuses nationwide, and was shared via video conferencing.

The event at UniKL's chancellery was made more memorable by the presence of YBhg. Tan Sri Dato' Seri Ibrahim Saad and YBhg. Prof. Dato' Dr. Abdul Hakim Juri, the first and second presidents of UniKL. Dato' Seri Ibrahim Saad looked back at the challenges of setting up the first private technical university of the nation.

"We worked day and night trying to figure out how to get the first seven institutes to come together as a university. Hiring bright and experienced teaching talents was also a huge challenge, as back then nobody knew who we were. But 15 years later, I must say UniKL can be proud of where it stands. The road ahead is going to be challenging, but I am confident that with the right talents, and support from our stakeholders, UniKL will soar to greater heights."

What made the event more significant was the appearance of RIMAU, the 2017 KL SEA GAMES mascot, to honour UniKL's 800 students and staff who made the biggest number of volunteers from any private university at the games. At a relatively young age, UniKL has achieved so much and continues to stretch its potential. Here's to many more successful years ahead. Happy Birthday UniKL!





# **Unikl RCMP INTRODUCES PHARMACEUTICAL TECHNOLOGY COURSE**

Royal niversiti of Medicine the entry requirement.

Prof Dr Ahmad Fuad Shamsuddin, the Dean of preparations. Pharmacy and Health Science faculty said, "This as it will be more practice based, emphasising on industry."

Malaysian Organisation of Pharmaceutical Industries (MOPI) and Pharmaceutical Association of Malaysia. This does not include small and medium enterprises Upon graduation, students can pursue careers in products."

UniKL RCMP who are highly knowledgeable and marketing.

College experienced. Students enrolled in this programme will (UniKL RCMP) introduced be equipped with theory, practical and operational skills Bachelor of Science (Honours) in in the pharmaceutical and related sectors. With state-Pharmaceutical Technology in September 2017. of-the-art facilities and a well-equipped pharmaceutical The three and a half year programme is offered to lab, students are trained in fundamental knowledge of all Sijil Tinggi Persekolahan Malaysia (STPM) holders, scientific disciplines that will prepare them for careers matriculation students and Diploma graduates in related to drug discovery and development, formulation, Pharmacy and related science programmes, who fulfil evaluation, standards and regulatory matters, as well as marketing of pharmaceutical and other related products such as herbal, cosmetics and functional food

differs from the Bachelor of Pharmacy programme In addition to learning about production management and pharmaceutical product validation, students will technological application in the pharmaceutics also need to look at research projects and choose two elective subjects. Among the elective subjects offered are, pharmaceutical marketing, drug design "There are over 100 companies registered with the with computer aids, herbal medicine technology, pharmaceutical packaging, quality management and Islamic Manufacturing Practices.

(SMEs) producing cosmetics and health & beauty manufacturing, research and development of these products, and the subsequent requirements related to these products such as quality control, preclinical trials, The teaching model is developed by experts at regulatory affairs, drug information service, sales and



# Unikl STUDENTS SPORTS CARNIVAL 2017

OMBAK, 21 July 2017 - Universiti Kuala Lumpur's Students Sports Carnival (USSC) 2017 where students from all Universiti Kuala Lumpur campuses participate in UniKL's very own sports league, comes to an end today.

The sports carnival which was held from 18 to 21 July 2017 was hosted by UniKL British Malaysian Institute (UniKL BMI) and saw student athletes from all 12 UniKL branches competing in various sports disciplines like football, volleyball, netball, badminton, table tennis, sepak takraw, basketball, futsal, tennis, rugby, petanque and chess.

UniKL MIAT was proclaimed the overall winner with 6 Golds, 5 Silvers and 2 Bronzes while UniKL MIIT took the second spot with 4 Golds, 1 Silver and 4 Bronzes. UniKL Business School came in third with 3 Golds, 5 Silvers and 1 Bronze. The closing ceremony was officiated by Prof. Dato' Dr. Mazliham Mohd Su'ud, UniKL President and CEO.

Prof. Dato' Mazliham in his speech to the student athletes said, "Congratulations to all student athletes and volunteers of UniKL who have sacrificed time, tears, sweat and blood for the love of sports. I am proud to have witnessed highly talented and skilful athletes from UniKL. I hope you can develop your potential in sports and hopefully, new doors of opportunities will open for you in life."

He also thanked the host campus and all committee members involved in making the 13th USSC 2017 a success. Following is the final standing of UCCS 2017.









RANK	CAMPUS	GOLD	SILVER	BRONZE
• • • • •		•	•	
1	• MIAT	6	5	2
2	: MIIT	4	1	4
3	<ul><li>Business School</li></ul>	3	5	1
4	· BMI	3	. 4	1
5	• MIMET	3	2	1
6	. MSI	2	2	3
7	• MFI	1	1	4
8	MITEC	1	1	0
9	• MICET	0	• • 1	5
10	RCMP	0	1	2
11	· IPROM	0	. 0	0
12	• MESTECH	0	0	0





# HISTORIC ENDING FOR KL SEA GAMES AND PARA ASEAN GAMES 2017



UALA LUMPUR, 23 Sept - A colourful celebration marked the end of the biennial South East Asian Games as athletes and sports officials from all participating nations bid farewell to Kuala Lumpur 2017. Malaysia proudly became the overall champion of the 2017 SEA GAMES by winning a total of 144 Golds, 91 Silvers and 86 Bronzes, ahead of regional rivals Thailand and Indonesia.

The event was even more significant for UniKL as it formed the biggest contingent of volunteers by any Malaysian university- 400 students and staff to be precise. One of the honourable tasks assumed by UniKL volunteers was being the SEA GAMES 2017 mascot, RIMAU.

"We had to wear the heavy costume whenever we were at the venues. Vision was limited, and each mascot required an assistant to guide us along the way," said a 22 year old UniKL electrical engineering student, one of the 30 volunteers tasked with being RIMAU. They are strictly barred from revealing their identities.

Each Rimau costume weighed 13kg and the head unit came with a small fan to keep the volunteer cool. Underneath the RM15,000 costume, they wore a skin-tight one-piece garment made of sweat-wicking material, as well as a head cloth to prevent sweat from dripping into their eyes. The one-size-fits-all costume designed for those standing 165cm to 175cm – is dry-cleaned after every use to ensure it's clean and odour-free.

The 14,000 volunteers ranging from 16 year olds up to an 82 year old, attended special training and courses to prepare for their respective duties. After the general training, they were assigned to different committees (medical support, transportation, arrival and departure of athletes) and sports events scheduled. Youth and Sports Minister YB Khairy Jamaluddin said, "Volunteers are the country's ambassadors who will have to play their roles effectively in every area, not just the assigned task."

UniKL is rightfully proud to be part of this historic event, and hopes its volunteers have gained much from their experience.



# Unikl Conferred KKLW BEST COMPANY AWARD

UALA LUMPUR, 18 September – Universiti Kuala Lumpur was conferred the Best Company Award by the Ministry of Rural and Regional Development (KKWL). It also earned second placing in the 'paid-up capital above RM5m' category. In an event held at Hotel Primaeira, Kuala Lumpur, the award was presented by Dato' Sri Ismail Sabri Yaakob, Minister of KKLW. UniKL was represented by its President, Prof. Dato' Dr. Mazliham Mohd Su'ud, members of the top management and four student representatives from UniKL MIAT.

The university is honoured to receive this mark of distinction and recognition. Its track record of strong performance is attributed to the continued effort of the team to deliver good results despite numerous challenges faced. This is the second consecutive time UniKL is recognised for such an achievement.

Congratulations to all on the hard work in maintaining the feat. The award will further inspire the staff to drive the university forward for a better future.



# EIE AND MADE IN Unikl 2017 UNCOVER PARTICIPANTS' INNOVATIVENESS

ULIM, 27 July – Universiti Kuala Lumpur Malaysian Spanish Institute (UniKL MSI) has successfully organised the EUREKA Innovation Exhibition 2017 (EIE 2017) and Made in UniKL 2017. The annual innovation exhibition aims to promote the spirit of creativity and inventiveness among young Malaysians. With the theme of "Igniting Innovation", EIE 2017 attracted participations from primary, secondary and higher learning institutions both locally and internationally.

EIE 2017 is also a link between education institutes and industries enabling the sharing of products and creative ideas. The objective of the competition is to showcase innovation and inventions by academicians and non-academicians, as well as students from education institutions.

Gracing the event was Yang Berhormat Dato' Sri Dr Adham Baba, Chairman and Pro Chancellor of UniKL. Others present were YBhg. Prof. Dato' Dr Mazliham Mohd Su'ud, President and Chief Executive Officer of UniKL, top management members, industrial partners, academics from participating institutions and members of the media. 2017 saw a total of 300 teams participating to showcase their innovation and products in six categories- an increase from 250 participants the previous year.

Dato' Sri Adham in his closing speech said, "Through the organisation of EUREKA International Exhibition and Made in UniKL, we are able to open the minds and fire up passion among students from the primary level to institutes of higher learning. They are encouraged to explore new ideas and expand their creativity in inventing innovative products that could be promoted at the global level. Through EIE 2017 and Made in UniKL, we will increase the public's awareness especially among the Y Generation, on the importance of skills and entrepreneurship which in turn will propel economic growth, as skilled and trained workforce is an asset to the nation."









# Unikl AWARDED SELF ACCREDITATION STATUS BY MQA

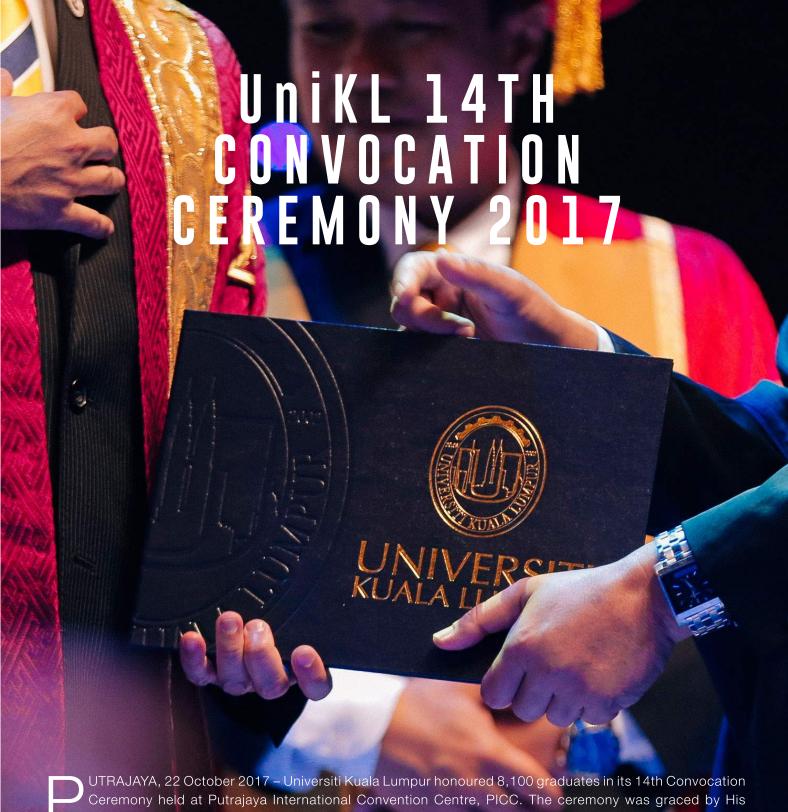
UTRAJAYA, 16 May – Universiti Kuala Lumpur Malaysia France Institute (UniKL MFI) and Universiti Kuala Lumpur Malaysian Institute of Information Technology (UniKL MIIT) today, received the Certificate of Self-Accreditation Status awarded by the Malaysian Qualification Agency (MQA). It was presented by the Honourable Minister of Higher Education, YB Datuk Seri Idris Jusoh; receiving the award was Prof. Mazliham Mohd Su'ud, UniKL CEO and President, accompanied by the top management members.

The self-accreditation status is an academic autonomy which allows UniKL as a higher education provider, to accredit its own programmes based on the standards set by MQA and MOHE. This is a recognition to UniKL's robust internal quality system and remarkable achievement in the local and global HTVET education environment.

Datuk Idris Jusoh said, "This is a testament to UniKL's continuous progress in providing quality world class TVET education. To date, there are 19 universities which have received the MQA Self Accreditation status. However, this self-accreditation status does not include professional programmes that still require recognition from the related professional bodies."

Also present were Deputy Minister Dr. Mary Yap Kain Ching, Chairman of MQA, Tan Sri Dr Abu Hassan Othman, Secretary General of the Ministry, Tan Sri Dr. Noorul Ainur Mohd Nur, MGQ CEO Datuk Prof Dr. Rujhan Mustafa, as well as UniKL Deputy Directors Prof. Dato' Dr. Azanam Shah Hashim (Academic and Technology), Datuk Salmah Hayati (University Development and Sustainability), Prof. Dato' Dr Khairanum Subari (Student Development & Campus Lifestyle) and Prof.Dato' Ahmad Zahir Mokhtar (IIIP).





UTRAJAYA, 22 October 2017 – Universiti Kuala Lumpur honoured 8,100 graduates in its 14th Convocation Ceremony held at Putrajaya International Convention Centre, PICC. The ceremony was graced by His Royal Highness the Regent of Pahang, Tengku Abdullah Al-Haj Ibni Sultan Haji Ahmad Shah Al-Musta'in Billah, the Chancellor of UniKL. The graduates received their scrolls in PhD, Masters Degree, Bachelors Degree, Diploma and Professional Certificate.

Also present at the ceremony were Dato' Dr. Awang Adek Hussin, Chairman of MARA and Dato' Azhar Abdul Manaf, Director General of MARA, both of whom are newly appointed Pro Chancellors of UniKL. Joining them were YB Dato' Sri. Dr. Adham Baba, Chairman of UniKL and Prof. Dato' Dr. Mazliham Mohd Su'ud, President/CEO of UniKL. The ceremony also witnessed the conferment of Honorary Doctor in Management to Dr. Arthit Ourairat, President of Rangsit University, who is also a member of the Thai Parliament, Datuk Dr. Yoshiko Nakano, President of OISCA International and Dato' Sri Ibrahim Ahmad, former Director General of MARA and Pro Chancellor of UniKL.



28 of the best students also received their awards, conferred by HRH The Regent of Pahang. The 2017 Chancellors Award, the highest recognition of a student's achievement was awarded to Naim bin Nasir from UniKL Malaysian Institute of Aviation Technology (UniKL MIAT); he also received his Bachelor of Aircraft Engineering Technology (Hons) in Mechanical. The two Council Award recipients were Ahmad Zainul Abidin for Bachelors of Engineering Technology in Industrial Automation and Robotics Technology, UniKL Malaysia France Institute, and Pavitra Sivalinggam of Bachelor of Pharmacy, UniKL Royal College of Medicine, Perak.

HRH Tengku Abdullah in his royal address to the graduates, expressed concern on the young generation's shallow understanding, lack of interest and knowledge pertaining the Royal Institution. "There are those who do not appreciate the role of the Royal Institution and feel it is no longer relevant in the modern era. The royal institution is not merely a symbol of customs and continuity of history. The uppermost responsibility is maintaining the identity of the nation state and always protecting the people so that the glory and sovereignty of the nation is preserved," He proclaimed.

Graduating students at the UniKL's Convocation ceremony were entertained by top class artistes such as JJ, Dato' Awie, Dato' Nash, Wani Hasrita, Hail Husaini, Harry Khalifah and others. A carnival- like atmosphere complete with cultural performances, choir performances, exhibitions and sales booth, all led by UniKL students and staff greeted visitors and family members at UniKL's 14th Convocation Ceremony.





## WHAT'S UP WITH UV!

By: SAIFUL SAZALI

niKL VOICE or UV, UniKL's choir group became a household name after their extraordinary performances during UniKL's 14th convocation ceremony 2018 received rave reviews and caught the nation's social media by storm.

Their performances of 'baby shark doo-doo'- a popular children's song and 'I am Me'- the single by Dato' Sri Vida, Malaysia's cosmetic magnate, caught the hearts and minds of those present as well as Malaysian netizens. At the time of writing, the video of their performances has recorded almost three million views and more than 24,000 shares including by popular facebook pages such as Siakap Keli, Viral Malaysia, Sukan Star TV, PenMerah etc.

UniKL's Choir group was formed back in 2006 with the moniker 'Suara' - to celebrate graduates during UniKL's official convocation ceremony. In 2014 their name was officially changed to UniKL Voice where now it is an active club which provides the platform for those who have the passion and talent in arts especially in music and singing. UV members are also exposed to training lessons such as vocal classes choreography live performances studio recording song production and music video production.



A group of 30 members comprising of talented students and staff assemble and train three months prior to the ceremony. The combinations of sopranos, tenors, baritone and alto creates a unique UV persona as people sing, clap and even dance along to their groove of popular past and present hit songs.

This year however, led by their coach En Shahabuddin Jurimi and manager Puan Shalieza Razali of the Corporate Branding Unit of UniKL as well as team captain Saiful Sazali, their performances not only entertained UniKL 2017 graduates and those within the halls of PICC during the ceremony, but Malaysia as a whole. Leading from that, the group has gone on TV with appearances on popular shows like 'Motif Viral' by Astro, not once but twice!

As success followed, offer started pouring in as UV was invited to perform at events, song recording for Malaysian Anti-Corruption Agency and even featuring in Malaysia's renown music producer, Ajai's music production, You ni KL ke? Due to their achievements, Universiti Kuala Lumpur is in talks with Ajai to offer Commercial Music Entertainment Studies & Technology. The programme, which combines music studies, technology and commercialisation is set to be offered beginning next year at UniKL Malaysian Institute of Information Technology (UniKL MIIT).

Undoubtedly, UV adds music and colour into an otherwise dry and a protocol filled ceremony. It has come to a point where graduates and even VIP audiences look forward to seeing new acts by UV during UniKL's annual convocation ceremony. Since its inception, UV has always been part of the fabric and tradition of UniKL's Convocation Ceremony, and will continue lighting up the stage, celebrating graduates and entertaining guests for many more years to come.









## **Unikl Care - Penang Flood Relief**

Penang Flood Relief Mission – a university social responsibility programme initiated in response to the worst flood disaster to hit the state of Penang, came to an end today. Prof Dato' Dr Mazliham Mohd Su'ud, UniKL's President and CEO had flagged-off the UniKL CARE volunteers in a ceremony held on 10th November at UniKL British Malaysia Institute (UniKL BMI), Gombak. The UniKL CARE contingent, comprising of 300 volunteers from 12 campuses nationwide brought together with them RM60,000 worth of food, essential items and medicines for those affected by the flood in the northern-state.

Prof. Dato' Dr Mazliham in his address during the flag-off ceremony said, "This effort was launched after UniKL's Chancellor, the Regent of Pahang, Tengku Mahkota Abdullah Al-Haj Ibni Sultan Haji Ahmad Shah Al-Musta'in Billah had personally requested us to mobilise volunteers to help those affected by the floods in Penang. We received an overwhelming response from the students wanting to be volunteers for the Penang Mission. We reached our intended target of 300 volunteers within two days of the launch."

"I am so proud of the voluntary spirit showed by our students, however due to logistical issues we had to limit the number of volunteers this time around. The team being deployed from UniKL BMI consist of volunteers from campuses around the central and southern region including UniKL BMI, UniKL MIIT, UniKL MIAT, UniKL MFI, UniKL IPROM, UniKL Business School, UniKL MESTECH, UniKL MICET and UniKL MITEC. They will congregate at UniKL MSI, Kulim and will be joined by volunteers from the northern region including UniKL MIMET and UniKL RCMP."







In total, the 300 volunteers for the UniKL CARE mission comprised of 276 students and 24 staff. The UniKL CARE-Penang Relief is also proud to note that Brahim's, one of the nation's renown packed food manufacturer and UniKL's industrial partner, sponsored a total of 864 packets of instant food in support of the mission.

The three-day mission focused on clean-up and restoration efforts as well as delivery of essential items including packed food, mineral water, water filters, electric kettles, gas stoves etc. Mobile clinics were also set up by volunteers from UniKL Royal College of Medicine Perak (UniKL RCMP) to provide free health check-ups and screenings for those affected by the floods.

The UniKL CARE initiative is part of the university's continuous effort and commitment to the Malaysian community. Besides running successful academic programmes, programmes such as this actively advocates a culture of compassion and understanding within staff and students. This is in line with the university's aspiration to develop highly skilled, knowledgeable and noble citizens.







# Unikl MFI ENACTUS TEAM CREATES HISTORY AT ARAMCO-ENACTUS ASIA 'ENERGY CUP' ASIA PACIFIC COMPETITION 2017 | By: SALWAH CHE MAT UNIKL MFI

BIJING, 5 November – Enactus UniKL MFI created a landmark moment after they clinched the 1st runners-up spot in the Aramco Asia "Energy Cup" Asia-Pacific Competition in Beijing, China. Making it more memorable, the UniKL Enactus team even beat the likes of top Asian institutions like Nanyang Technology University, Singapore, University of the Philippines, and Sungkyunkwan University of South Korea. The competition is open to all institutions of higher learning in China, Malaysia, Singapore, South Korea and the Philippines.

The UniKL MFI Enactus team which comprises of 11 team members led by Mrs Salwah Che Mat, Senior Lecturer and Nur Rahimi Kamaluddin, President of the team, has a good blend of both bachelor and diploma students. They took up the challenge to propose a product dubbed the Multipurpose Air-Conditioner which is designed to reuse the heat energy and condensate water from the air conditioner, generating clean water. Based on their research, four applications were fitted to create the product including an electric charger, dryer, water heater and toilet flush.

The Aramco Asia Energy Cup competition provided an excellent opportunity for the team to gain international exposure and insights. It was also a good platform to introduce and promote UniKL and Malaysia to the participating countries through the exchange of knowledge and experience in innovative practices between their countries.

Aramco-Enactus Innovative Challenge was launched by Aramco Asia, a full subsidiary of Saudi Aramco, and Enactus, an international non-profit organisation dedicated to improving the world through entrepreneurial action. The competition empowers university students in Asia to develop innovative solutions addressing real issues related to climate change, environmental sustainability and energy efficiency within their communities. The winner of the competition was North China Electric Power University (Baodong).





# Unikl Industrial Advisory Board 2017

December 2017 - In a historic event today, the inaugural UniKL Industrial Advisory Board (IAB) meeting was held at Universiti Kuala Lumpur's city campus chaired by YB Dato' Sri Dr Adham Baba, UniKL Chairman and Pro Chancellor. The meeting gathered local and multinational industry captains where insights and experiences were shared for the benefit UniKL in strengthening its offering and continue to become a major contributor in providing workforce critical to the nation's development.

Among the industry representatives in attendance

TM Berhad. were Gading Group, CILT. WAU Animation, Les Copaque, EA Technique, SIEMENS. Salihin, Rapid Rail, Hospital Kuala Lumpur, Ernst & Young, MTR Hong Kong and GO Auto from the 20 members board which also consist of representatives from Petronas, UMW Holdings, Pharmaniaga, Media Prima and Baiduri Dimensi.

UniKL Industrial Advisory Board (UIAB) at UniKL is established to provide a platform for members from the industry and university academicians to synergise their expertise and knowledge to develop relevant programmes and initiatives. The members are to provide vital advice and support in terms of progress and review of UniKL's current development and future activities. Collaborations with various industries ranges from Industrialmanship, Teaching Factory, Industrial Training, and special initiatives which will drive the development of holistic young talents who are competent and market ready.



UniKL highly values its industrial partner's vast experience and prominence in the industry the and university look forward to further strengthening the universityindustry relationship in line with UniKL's We4Asia aspiration becoming leading entrepreneurial technical university in Asia by 2020.



### FROM THE LENS OF UniKL

ARTWORK BY: AFIQAH AMALUDIN

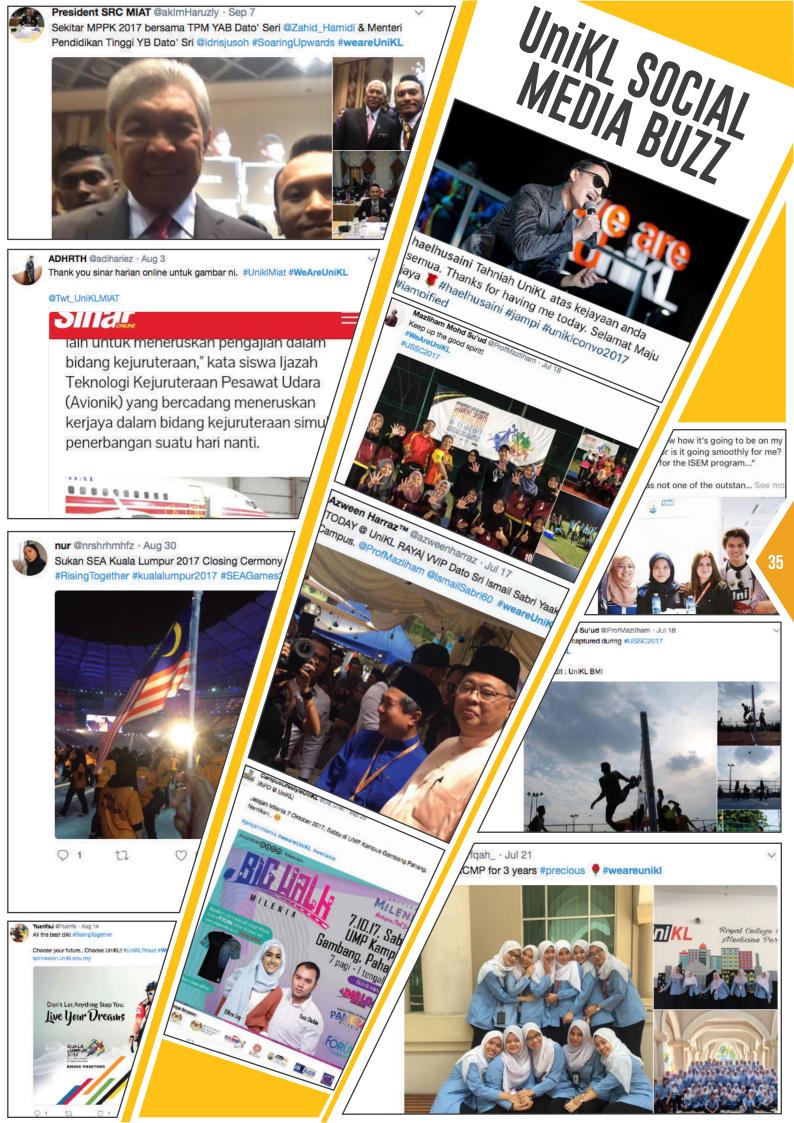
rom the Lense of UniKL presents some of the finest artworks and interesting images and photographs showcasing life@UniKL. Art is a form of creative expression which requires imagination and skill that takes high dedication, passion and commitment to contrive. At UniKL, despite being a technical university, we cherish the talents of our community who show keen interest in art and photography and encourages them to fulfil their passion.

This edition of UniKL Xpress presents 'Doodle Drawings' by UniKL MIIT Animation students under the subject of 'Drawing'. Doodles are simple drawings that can have meaning or may just be composed of random and abstract lines. It is a form of free flowing creativity which has no boundaries, just a piece of pen, a blank paper and where the mind brings you.

We believe that every photograph or artwork is an extension of the artist's thoughts, feelings, hopes and aspirations. If you wish to see your photos or artwork published in UniKL Xpress, you may email your artwork to mzamir@unikl.edu.my or shalieza@unikl.edu.my (digital artwork and photos must be hi-resolution). Also share with us the description or a story behind your art in not more than 50 words.

E-mail us tips, story suggestions and ideas to mzamir@unikl.edu.my or shalieza@unikl.edu.my.







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