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UTP Quarterly

TOP 100

ASIA
QS WORLD
UNIVERSITY
RANKINGS

Out of 499 universities
recognised by Quacquarelli
Symonds (QS)



UNIVERSITI
TEKNOLOGI
PETRONAS

MESSAGE FROM THE VICE CHANCELLOR

There is a well-known saying that goes, "time and tide waits for no man". As we come to the end of 2018, this statement shines clearly in my mind as I reflect on how quickly the days of this year have flown by.

I realised how precious is the time we have and how important it is that we make full and productive use of the minutes, hours and days that we have been given. While we pursue our goals, growth and development in all avenues, let's stay conscious of the fact that times and situations are rapidly changing and we must in turn evolve to remain relevant.

2018 has been a year of much accomplishment for UTP, be it national and international by our staff and students. I would like to take this opportunity to welcome the new Chairman of PETRONAS, YBhg Datuk Ahmad Nizam Salleh as UTP's new Pro Chancellor.

Therefore, we close this eventful and fruitful year of 2018, taking with us our achievements, rewards and accolades and the lessons learnt along the way to embrace the coming year with full of positivity and optimism. I look forward to face the challenges it brings as it will unveil our opportunities towards Global Prominence.

Here's to a well-played 2018 and to the exciting future the new year will bring.

**Prof Dr Mohamed Ibrahim
Abdul Mutalib**





ASIA'S TOP 100 - A BREAKTHROUGH

UTP made history when it made it into the 2019 Quacquarelli Symonds (QS) Asia University Rankings top 100 list. It is ranked 99th, climbing up from 101st last year. It is the only private university and Government-Linked University in this esteemed recognition.

It's significant improvement in 4 indicators - papers per faculty, international faculty, inbound and outbound exchange students propelled it forward this time round. This ranking follows other UTP's achievements throughout 2018 :

1. February – Leaped 33 places from 2017 and is now ranked 114th in the Times Higher Education Asia University Rankings 2018
2. March – Retained its 6-Star Rating under Malaysia Research Assessment (MyRA) as the only private university in Malaysia to be given such recognition
3. March – Improved its ranking to 145th for Engineering and Technology in the QS World University Rankings by Subject 2018

4. March – Maintained its standing in the QS World University Rankings by Subject 2018 Electrical & Electronic Engineering and Computer & Information Sciences Systems retained their position within the Top 2501 and Top 300. Chemical and Mechanical Engineering maintained their position as Top 150 and Top 200 respectively
5. May – Ranked 77th in the Times Higher Education (THE) Emerging Economies Rankings 2018 from its previous ranking of 91st
6. May – Climbed 80 places into the rank range of 521-530 in the QS World University Rankings 2019 from 601-630
7. September – Retained its position in the THE World University Rankings 2019 601-800 band

UTP will continue to work towards its next goal which is to achieve the Top 50 by 2020.



MOMENTS TO BE TREASURED

The 18th Convocation Ceremony saw 1,659 graduates receiving their scrolls with pride and honour. This year's graduates comprised 1,375 Bachelor degrees, 133 Masters and 151 PhDs, mounting up to a total of 17,529 graduates from more than 50 countries.

Here's what's special about this year's convocation ceremony:

1. The highest number of graduates
2. The largest number of PhD graduates
3. The highest number of graduate countries (38 countries)
4. The first batch of graduates from Applied Physics and Applied Chemistry

UTP's 18th convocation ceremony also saw the conferment of the UTP Honorary Doctor of Philosophy in Management and Engineering to Tan Sri Dato' Mohamad Noordin Hassan (former member of UTP Board of Directors) and Professor Dr Klaus Riedle (former member of UTP Academic Advisory Council). Our new Pro Chancellor, Datuk Ahmad Nizam Salleh was also officially proclaimed.

UTP also had its Convo Award Night on convocation's eve to give recognition to 42 students under 4 categories (Chancellor Award, Vice Chancellor Award, Final Year Project (FYP) Award and Best International Student Award).



RUN UTP RUN!

Around 2,100 runners brought their energy, stamina and running legs to participate in the Go Green Convo Run 2018. This annual event was a chance for runners to test their abilities in the 21km (half-marathon) and 7km (fun run) categories in support of UTP's greener future initiatives.

In line with the purpose and the theme, finishers received green gifts such as Italise kicap fatimah, kerdas, beruas besides medals.



CYCLING FOR CHARITY ONCE AGAIN

UTP's ConvoRide 2018 attracted more than 200 enthusiastic cyclists from all over Malaysia including UTP staff, students and members of the local community. For the seventh edition of the ride, they wheeled over a distance of 110km, meandering through the roads of Bota, Beruas, Manong, Parit and

Seri Iskandar.

Promoting and exemplifying a healthy lifestyle, the riders had the opportunity to view the scenic sights or Perak while doing their part for charity. Part of the funds collected from ConvoRide will be channelled to Yayasan UTP.

ANGLING FOR A GOOD CAUSE

Gathering at the crack of dawn, more than 600 avid anglers threw their fishing lines into UTP Lake for the Peacock Bass Daiwa Master Challenge 2018. This event was held to improve the native fish population by removing the peacock bass from the waters.

The lake was then re-filled with 50,000 fishes donated by the Perak Fisheries Department. The winning fish for the event was a 43cm peacock bass caught by Mohd Afendi Hanafi who won fishing gears worth RM3,000.



QS APPLE CREATIVE AWARDS 2018

UTP emerged as the only university from Malaysia which received the Gold Award for Best International Student Recruitment Brochure. The award was presented during QS-APPLE Conference and Exhibition 2018 in Seoul, South Korea. The 62-page marketing booklet comprised UTP's educational value proposition for aspiring students and faculty to become part of the university.



RECOGNISED FOR HUMAN RESOURCE EXCELLENCE

UTP was awarded the Certificate of Excellence (Employer Category) of the HR Development Award. This award ceremony took place at the 25th HRDF Conference & Exhibition 2018. The theme - 'HR Excellence: Change is Fundamental to Survival - Challenge Everything' aptly reflects UTP's approach in the entire management of the university moving forward. The award was presented by the Minister of Human Resources, YB Kulasegaran Murugeson.



THREE CHEERS FOR DR AHMAD KAMIL!



Associate Professor Dr Ahmad Kamil (Department of Computer & Information Sciences) has brought pride to UTP during the Malaysian Commercialisation Award (MCY) 2018. His invention of the Rescue-I Monitoring System (rescuers monitor their physiological state and activities during rescue operations) clinched the prize under Research & Business Partnership category worth RM 130,000. His invention was among the 27 out of the 212 shortlisted for this year's awards. The award was presented by the Minister of Energy, Science, Technology, Environment and Climate Change, YB Yeo Bee Yin.

PROUD PRODUCER OF HIGH IMPACT ARTICLES

UTP emerged as the only private university recognised for publishing high impact articles during the Malaysia Research Star Awards (MRSA) 2018. 2 more awards (2017's Highly Cited Researchers based on indexed research articles by Clarivate Analytics and recipient for publishing high-impact articles sought by researchers) were bagged. The university was also given recognition for 'Research and Innovation Excellence' besides Universiti Putra Malaysia (UPM).



FOR BETTER ROAD QUALITY IN MALAYSIA



Inventors and industry players got together to showcase ideas for the improvement of road quality and safety at the 10th Malaysian Road Conference Invention & Innovation Competition (MRC – IIE) 2018. 5 UTP inventions caught the eye and attention of judges (ranging from slope protection to signage gadgets for roads and bridges and won 2 gold, 2 silver and 1 bronze medal(s). One of the products – “Development of Distributed Fibre Optic Inclinator for Landslide & Geotechnical Application” by Associate Professor Ir Dr Hisham Mohamad was declared the Best Invention Award and received the Special Award.

FIVE MORE GOLD!

UTP won gold medal for all five innovations during the third Invention & Innovation Competition of Private Higher Education Institution (PERINTIS) 2018 at Management & Science University (MSU), Shah Alam. This biennial competition served as a platform for researchers and practitioners to present their inventions on developments in multidisciplinary fields.

UTP will be hosting the fourth edition of PERINTIS in 2020.





A GATHERING OF GOVERNMENT-LINKED UNIVERSITIES (GLU)

The 3rd GLU iDE4 Management Forum 2018 was held with the participation of the GLU comprising Universiti Kuala Lumpur (UniKL), Universiti Teknologi PETRONAS (UTP), Multimedia University (MMU) and Universiti Tenaga Nasional (UNITEN).

This forum, held every year, addresses various issues and challenges faced by the GLUs in regards to higher education in the country to spearhead applicable and relevant changes and initiatives. This programme was officially opened by Dr Nor Azman Hassan, Deputy Director General of Higher Education. GLU iDE4 had a keynote address and a forum session. The keynote address entitled 'Bridging the Academia and Industry: Artificial Intelligence and Its Impact on Higher Education' was delivered by Albert Chai, Managing Director of CISCO Systems Malaysia. The forum entitled 'Innovating the University-Industry Partnership' encompassed on the industry-driven education to prepare the students for the career world.

The 1-day programme ended with Innovation Product Pitching in tandem with the 21st century's demands.





COLLABORATING FOR THE FUTURE OF TEACHING AND LEARNING

UTP hosted the inaugural IDE4 Teaching and Learning Exhibition (IDE4TE). This exhibition was jointly-organised by the Government-Linked Universities (GLU) and supported by the Ministry of Education Malaysia.

With the theme, 'Advancing Collaboration in Global Diversity', IDE4TE aimed

to serve as a platform for the sharing of innovative teaching and learning initiatives, collaboration and networking among the attending educators to catalyse 21st century teaching and learning techniques.

IDE4TE was co-organised with the fourth edition of Teaching and Learning Festival 2019 (TILF 4.0) which saw academic members from institutions all over Malaysia to present their research findings, squared debates and exhibitions.





UPHOLDING UNIVERSITY SOCIAL RESPONSIBILITY

Staff from UTP and PETRONAS opened up their hearts and wallets to fund school supplies for underprivileged children in the area.

School bags and gift vouchers for stationery were given to 744 children under YUTP's "Menggapai Impian" campaign. The recipients were from 35 various orphanages, shelters and schools within

the areas of Baru Gajah, Ipoh, Sungai Siput and Perak Tengah and also included children of UTP's security personnel and janitors.

This programme has been part of UTP's USR activities since 2007, and to date, some 1,500 children have benefitted from it.

STRENGTHENING MALAYSIA-INDONESIA TIES

UTP's alliance with Indonesia is further reinforced by co-organising the International Conference on Science, Management and Engineering (ICSME 2018) at Jakarta, alongside Universitas Pertamina and Indonesia Strategic Management Society (ISMS).

ICSME 2018 covered adjunct lectures, various talks and discussions on numerous areas, especially in agriculture. UTP also bagged 2 Best Paper Award(s) during the conference. The university also signed Master Research Agreements for 14 projects with Universitas Muhammadiyah Prof Dr Hamka (UHAMKA) in the area of Sustainable Energy and

Smart Community while 9 projects were signed with Universitas Muhammadiyah Surakarta (UMS) for the Development of Low Carbon Technologies for Sustainable Build Environments.

ICSME 2018 was another programme under Indonesia-Malaysia Industrial Institutional Initiatives (IMIII) under the patronage of Professor Ir Dr Mohd Shahir Liew, Deputy Vice Chancellor Research & Innovation and the Project Manager is Dr Muslich Hartadi Sutanto, from Department of Civil & Environmental Engineering.

UTP will continue to join forces with its Indonesia counterparts and enrich its stakeholders, particularly educators and students.





YOUNG RESEARCHER IN THE MAKING

UTP is proud to announce that one of its postgraduate student, Aishah Ismail received the 2018 Merdeka Award Grant for International Attachment. She and two other recipients received the award from His Royal Highness Sultan of Perak, Sultan Nazrin Muizzuddin Shah Ibni Almarhum Sultan Azlan Muhibuddin

Shah Al-Maghfur-Lah who is also the royal patron of the Merdeka Trust Award.

Aishah is a PhD candidate at UTP's Centre of Intelligent Signal and Imaging Research (CISIR). She is currently working on identifying stroke biomarkers

through examining ocular blood flow for early signs of stroke using Ocular Imaging and Laser Speckle Flowgraphy (LSFG). This project started in June 2017 and the findings include reduction in ocular blood flow. As the results include the eye images at different stages of animal stroke model, the research can be enhanced by implementing deep learning to grade the severity levels of stroke.

Aishah's aspiration for her research is that it is applied as an indispensable screening tool in all hospitals in Malaysia and improve the society's healthcare. Aishah will be undergoing her attachment at Massachusetts Institute of Technology, Cambridge, USA.



JOINING HANDS FOR A BETTER FUTURE

UTP & PETRONAS DAGANGAN BERHAD (PDB)

PETRONAS Dagangan Bhd will invest RM50mil in five universities which are UTP, Universiti Teknologi Malaysia (UTM), Universiti Putra Malaysia (UPM), Universiti Teknologi Mara (UiTM) and Universiti Tunku Abdul Rahman (UTAR). It is aimed to develop entrepreneurial skills among university students and to foster start-up businesses among youths. The MoU signing was witnessed by Minister of Education, YB Dr Maszlee Malik who also mentioned that this collaboration is in tandem with the government's plan to advance the country's digital economy.



UTP & GERMAN-MALAYSIAN INSTITUTE (GMI)

The MoU signifies the joint aspirations of UTP and GMI to strengthen the Technical and Vocational Education and Training (TVET) in order to equip young Malaysians with knowledge and skills to embrace the challenges of the fourth industrial revolution. Under the MoU, UTP and GMI will collaborate in the placement for GMI graduates to further their study at UTP, joint marketing efforts to promote both programmes at UTP and GMI, as well as staff and student development programme.



UTP & DEPARTMENT OF STATISTICS MALAYSIA (DOSM)

The MoU was signed to establish a strategic partnership to generate new relevant knowledge through academic research activities. This strategic partnership will help UTP deepen expertise in statistical science and resources sharing for research and training, and to achieve excellence in delivering quality education programmes, research activities and high impact training.



UTP & NANO MALAYSIA

With this agreement, UTP and Nano Malaysia will play an important role in the development and roll out of thermal management of the LED industry in the country. Some of the projects include the copper-carbon nanotubes nanocomposites thermal management product which will be very relevant in sectors such as electronics, automotive, and information technology.



UTP & RE2 INTERNATIONAL COMPUTER SCHOOL

This will be another step towards a collaborative effort in offering new opportunities for UTP to play an instrumental role in developing the children's interest in education, especially in STEM (Science, Technology, Engineering and Mathematics) related subjects. This includes modules, our state-of-the-art facilities, experts from various research areas as well as industry collaborators to inculcate and increase the students' interest in STEM as a career path.



UTP FAMILY DAY 2018

UTP hosted its annual Family Day as a way of appreciating its employees and bonding with the staff and their family members. More than 2,000 people were part of this programme held at Movie Animation Park Studios (MAPS), Ipoh. The participants were able to get on the various attractions such as the 7D & 4D theatres and rides. Telematches were carried out for the young kids up to the adults with cheers from their supporters.



A VENOM-OUS NIGHT WITH THE MEDIA

As a way of expressing appreciation, UTP hosted around 100 media personnel at the Golden Screen Cinemas (GSC) Ipoh Parade for a special screening of a new Hollywood movie 'Venom'. This was the first time a movie night was organised, being the addition to the annual bowling tournament which UTP organises for the media annually.

UTP-Perak Media Movie Night 2018 provided great opportunities to strengthen the relationship between UTP and the Perak media personnel who have played a key role in disseminating information for UTP and highlighting its news and achievements to the public. The movie night also included lucky draw sessions with attractive prizes for our media friends.



WELCOME ABOARD

New staff members joined us during the months of October to December this year. We welcome our new colleagues from both far and near and we wish you a great journey here at UTP.

Tun Mohamad Arif Mohamad Fadzir
Executive
Strategic Alliance Office

Lang Nazrene Hassim
Assistant
Security Services

Nor Fatimah Abdul Kadir
Assistant
Security Services

Nur Muhamad Jamil Rosman
Assistant
Security Services

Muhammad Asyraf Faez Zainol
Assistant
Security Services

Syed Harun Jamallulail Syed Zainal Yusoff
Talent Enrichment Program (TEP)
UTP Press

Nur Fatiha Abu Hasan
Clerk
Finance

Nur'ain Mohd Sani
Clerk
Registry

Grisel Paola Jimenez Soto
Research Scientist
South East Asia Carbonate Laboratory (SEACARL)

Ezmil Zulkifli
Senior Executive
Registry

Noor Diana Abdul Majid
Research Scientist
Centre of Advanced Process
Safety (CAPS)

Puteri Adibah Shairah Nasiman
Clerk
Centre for Graduate Studies

Siti Khadijah Khalid
Clerk
Human Resource Management
and Administration

Muhammad Naqib Shamshudin
Executive
Centre for Graduate Studies

Muhammad Syaharudin Abdul Aziz
Executive
Quality Management Unit

Dr Mardhati Zainal Abidin
Post-Doctoral Researcher
Centre of Advanced Process Safety (CAPS)

Khairul Azhar Azmi
Executive
Centre of Excellence In Teaching and Learning (CETaL)

Afiqah Mazlan
Executive
Residential Village

Hasbullah Abdul Wahab Shaarani
Executive
Centre for Student Development

Boniface Anak Banta
Executive
Human Resource Management and Administration

Ahmad Lutfi Haron
Executive
Finance

Muhammad Helmi Dzulmi
Talent Enrichment Programme (TEP)
Information Resource Centre

Rasidi Ramli
Executive
Security Services



UTP DRILLERS



UTP STRING ENSEMBLE



UTP, HOME OF CHAMPIONS

KILL TO DRILL

UTP's rugby team, the UTP Drillers finally lifted the MASISWA 15s Rugby Championship cup. They defeated City University of Malaysia, 45 - 12 in the semi-finals to advance to the finals where they trounced UniKL RC with a score of 27 - 24 at the games held at MMU Melaka.

BEHOLD THE GOLD

The melodious music of UTP String Ensemble winged its way to the hearts of the judges and won the Gold Award at the 5th Malaysia International Music Arts Festival organised by Proart Philharmonic Society. This was the group's highest achievement in a national level competition and performance since it was strung together in 2016.

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