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PEKAN REVIEW
e-newsletter

Bridging Universiti Malaysia Pahang to the world community

UMP ranked 134th in Asia

By : HAZLINA FAIZAL, CORPORATE AND QUALITY AFFAIRS CENTRE
Translation by : DR. ROZAIMI ABU SAMAH, FACULTY OF CHEMICAL AND PROCESS ENGINEERING T

Universiti Malaysia Pahang (UMP) achieved a remarkable accomplishment when ranked at 134th spot University Rankings 2020.

The continuous climb in five consecutive years also makes UMP as the first university in the Malaysian T place itself in the 150 best universities in Asia.

UMP had climbed 54 spots this year from 188th last year.

The improvement covers graduate employability, networking and industrial collaboration, and international s

The 11 indicators used to compile the QS Asia University Rankings are Academic Reputation, Em
International Research Network, Citations Per Paper, Papers Per Faculty, Staff with a PhD, Proport
International Students, Proportion of Inbound Exchange Students, and Proportion of Outbound Exchange S

Various international initiatives will be continuously implemented by UMP to excel in the future, including te
and industrial networking.

In this 2020 edition, UMP has improved in almost all the assessment criteria outlined by Quacquarelli Symo

The overall results of QS Asian University Rankings 2020 can be accessed via https://www.topuniversities.c
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UMP, SIASUN seal strategic collaboration in robotic and smart

By : MOHD. RAIZALHILMY MOHD RAIS, CENTRE OF INDUSTRY & COMMUNITY NETWORK (ICoN)
Translation by : DR. ROZAIMI ABU SAMAH, FACULTY OF CHEMICAL AND PROCESS ENGINEERING T

The strategic collaboration between Universiti Malaysia Pahang (UMP) and SIASUN Robot & Automatio which is a high-tech company, will form a value chain that encompasses core technologies and componen particularly in the robotic-related service industries.

Today, the global market value of SIASUN is the third in the robotics industry with the fastest growth rate.

This collaboration will focus on the development of expertise in teaching factory model to support the init (MOE), namely University Teaching Revolution Factory (URTC) related to the Fourth Industrial Revolution (

The signing ceremony of the Memorandum of Understanding (MoU) was represented by the Vice-Chanc Wan Yusoff and the Chief Executive Officer of SIASUN, Mr. Zhao Chen, on 5 November 2019.

Also present were the President of SIASUN Education Shenyang, Cun Yan Fan, the Deputy Vice-Chancell Dr. Mohd Rosli Hainin and the Vice-President of Teutloff German TVET Institution, Andy Pan.

According to Professor Ir. Dr. Wan Azhar, this collaboration is a continuation of SIASUN's visit to UMP rece

“This collaboration will train skilled workers to strengthen skills and training in the high level of Techni (TVET), along with the lifelong learning programmes through strategic collaboration with global companies.

“In developing a sustainable ecosystem of high impact technology innovations, UMP also partners (SAPURA) for the project of Asia Center of Excellence for Smart Technologies (ACES) based in Singap China.

He hopes that the collaboration will open up strategic collaboration opportunities to adapt more relevant, r
methods that everyone can benefit from.

The delegates of UMP and SAPURA also had the opportunity to visit several high-tech industrial robotic lab

A discussion was also held on the collaboration in academics and research with the Shenyang Institute of A
SIASUN Research and Development Centre and the Liaoning University of Technology.

Joining the delegation were the Senior General Manager (Technical & Operations) of Sapura Industrial
Centre of Industry and Community Network (ICoN), Associate Professor Ir. Dr. Nurul Hazlina Noordin a
Halim Baharom.

MTUN – Industry smart partnership produce techn

Translation by: NADIRA HANA AB HAMID, FACULTY OF MANUFACTURING AND MECHATRONIC ENG

Malaysia Technical University Network (MTUN) is urged to continue working with the industry to ensu
industry related issues.

According to Deputy Director General, Department of Higher Education, Ministry of Education, Prof
universities smart partnership particularly with MTUN should be intensified to encourage the industry to co
expertise and equipment as practiced in developed countries.

“This is what Taiwan, Korea or Germany has been doing all this time with their smartphone technol
university-industry smart partnership could be implemented so that every research could benefit all parties.

In addition, the new focus of the country’s education was on Technical and Vocational Education and T
facing greater challenges facing as a result of the Industrial Revolution 4.0 (IR4.0) explosion.

He is proud of UMP's first attempt to address this challenge with the implementation of the IR4.0-based tea

Professor Dr. Mohd Cairul Iqbal officiated the opening ceremony of the 11th Malaysian Technical Universit
(MUCET). MUCET, hosted by Universiti Malaysia Pahang (UMP) was held at Bukit Gambang Resort Kuant

With the theme 'Communitising Technology in the Context of Industrial Revolution 4.0' this MUCET confe
students, industry players and academics from UMP, Universiti Tun Hussien Onn Malaysia (UTHM), Univer
Teknikal Malaysia Melaka (UTeM).

The ceremony were also attended by UMP Board of Directors, Professor Dato' Dr. Rosli Mohd. Yunu
Innovation), Professor Dr. Kamal Zuhairi Zamli and Deputy Vice-Chancellor (Student Affairs and Alumni), P

Director of UTHM Reseacrh Management Centre, Professor Dr. Mohd. Amri Lajis, Director of UTeM Cente
(CRIM), Professor Ir. Dr. Marizan Sulaiman and Deputy Dean of Research Management and Innovation
also in attendance at the event.

Keynote speaker for the conference were Professor Seeram Ramakrishna from National University of Singa
Rani from Techno Diverge Link Sdn. Bhd. and Mohd Parid Sulaiman, Director of Product Technology Deve

A Memorandum of Understanding (MoU) was also exchanged between UMP and BI Technologies Sd
International Sdn. Bhd. UMP was represented by Deputy Vice-Chancellor (Research and Innovation), P
Technologies Sdn. Bhd represented by Director, Mr. Mohd Podzi bin Haji Mahmud, Sime Darby Be
Mohammad Saiful Nidzam Ismail and Supercat International Sdn. Bhd. represented by Director, Mohd Dzul

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UMP students responsibly elect leaders

Translation by: DR. ROZAIMI ABU SAMAH, FACULTY OF CHEMICAL AND PROCESS ENGINEERING TE

The students of Universiti Malaysia Pahang (UMP) are now more mature in choosing their representatives.

There was a change in the campus political landscape when the election was run fully by a committee comp

The chairman of the Student Election Council 2019/2020, Mohamed Al-Fateh Ab Razak was relieved when Gambang and Pekan campuses on 28 November 2019.

“Alhamdulillah, despite the rain, the polling process went uninterrupted from 9.00 am until 5.00 pm. The vot

In this election, 42 seats were contested with 14 general seats and 28 faculty seats.

Nine candidates emerged victorious unopposed.

The use of e-Voting since a few years ago facilitated the voting process with immediate results.

Muhammad Zufli Zuhari dan Nur Zarith Halisa Mohamad Sofi won the faculty seats for the Faculty of Indust

For the Faculty of Science and Industrial Technology, Wan Nur Ardini Che Wan Shamsul Akhbar dan Nur S

Meanwhile, Ee Hui En dan Mohd Haziq Hamid Khan won the faculty seats for the Faculty of Chemical Muhammad Azhar Jamal dan Muhammad Nazhif Mohd Azan won the faculty seats for the Faculty o Technology.

Three faculties were uncontested, namely the Faculty of Electrical and Electronics Engineering Technolo Civil Engineering Technology (Nuraisyah Fikryah Muhamod) and Faculty of Computing (Mohamad Kh Sutrisno Karsono Sadiam).

Lim Sin Yin and Hafizul Fahim Mohd Roffi won for the Department of Electrical Engineering.

The seats for the Department of Industrial Engineering were won by Muhammad Hisyamuddin Abdul Aziz Low Chen Ping and Nurhidayah Norhazan won for the Department of Chemical Engineering.

Two departments were uncontested, namely the Department of Civil Engineering (Khong Sheh Ching and
Engineering (Muhammad Muadz Khairul Rizan).

The 14 general seats were won by Muhammad Syahiruddin Mohd Sabri, Ahmad Rifqi Mohd Jerome Rinje
Che Muhammad Harith Ab Halim, Nurul Ishafira Ismail, Nik Athirah Nik Mahdi, Nur Amira Shafiqa Ismail,
Zainurin, Amir Zuhaili Abdul Karim, Nur Ain Natasya Azman, Muhammad Nur Aqmal Nazri and Anis Nabilla

The results were announced by the Deputy Vice-Chancellor (Student Affairs and Alumni), Professor Dat
Chancellor (Research and Innovation), Professor Dr. Kamal Zuhairi Zamli and the Dean of Student
Department, Dr. Ahmad Johari Mohammad.

Professor Dato' Dr. Yuserrie Zainuddin congratulated the successful implementation of this election w
establishment of students union.

He expects students to continuously develop their leadership and management in student affairs towards e

"Students are required to be mature and professional in handling student issues.

"As leaders, they must respect and apply the values and affection between students, and make JHEPA a
students and help improve services in the university," he said.

UNITEN delegates visit UMP

By : SHALFARINA SHAHRIMAN AND MUHAMMAD AZLI SHUKRI, UMP PUBLISHERS.
Translation by : AMINATUL NOR MOHAMED SAID, FACULTY OF COMPUTING

A total of 22 Universiti Tenaga National (UNITEN) Library staff members attended a visit to the UMP Library

The UNITEN delegation was led by Head of e-Resources Unit, UNITEN Information Resources Centre,
Chief Librarian, Dzull Zabarrod Ahmad and UMP Press Director, Ts. Dr. Muhamad Mat Noor.

Mohd. Yazid said their visit this time was to find new ideas and innovations to improve the level of se
transformation at the UMP Library.

"We are planning to produce a university publication and therefore, the need for this visit to get information

"Our presence is to gain insights or inputs and see for ourselves the processes needed to manage the u
thankfully our goals have been achieved," he said.

The delegation took approximately three hours to hear information from the UMP Library and UMP Press.

Ts. Mohd. Najib, researcher-cum-entrepreneur formulates oily was

Translation by: DR. ROZAIMI ABU SAMAH, FACULTY OF CHEMICAL AND PROCESS ENGINEERING T

The issues of uncontrolled oily wastewater discharge and water pollution that affect the environment insp and Process Engineering Technology, Universiti Malaysia Pahang (UMP), Ts. Mohd Najib Razali to wastewater.

He successfully formulated MNRg-Treat via green technology that can be used to treat oily wastewater.

More interestingly, MNRg-Treat is a safe product to use than any other product in the market as the formula

According to Ts. Mohd Najib, the formulation is now complete and in the process of improving in terms o acquisition of relevant certificates.

“This product acts as an agent for treating oily wastewater. Based on the concept of coagulation and floccu wastewater with a predetermined dosage.

“The process continues with mixing for MNRg-Treat to react with the wastewater.

“Oil filtration can be done after oil and water are separated,” he said during a meeting in his office, M Campus.

He hopes that this product can solve the problem of oily wastewater discharge to meet the environmental s Malaysia.

His team also provides consultation and analytical service for on-site and laboratory water testing.

This effort is the realisation of UMP aspiration in communitising technology and to carry out research that b country.

The research conducted since 2012 has been supported by several university research grants, including th UIC161003 – Bio-Coagulant and Smart System for Sustainable Water Treatment and a RM500,000.00 Startup Scheme (SUPERB) under the Bumiputera Leadership Agenda Unit (TERAJU) to support the busine

Recently, Ts. Mohd Najib was awarded the Researcher Entrepreneur Award at the Malaysia Commercialis RM100,000 worth of prizes including trophy and certificate.

He was also the recipient of the Industry and Community Excellence Award (AKIM) 2019 under the catego (Academic Staff Category) during the UMP Quality and Innovation Day.

In the future, he, who is also a UMP alumnus, hopes to become the leading water treatment analysis servic

MNRg-Treat helps solve the issues of waste discharge by reducing the parameters below the standar Malaysia (DOE).

MNRg-Treat is commercialised by a start-up company MNR Multitech Sdn. Bhd. at RM35 per litre and RM7 penetrate the future market through promotion at national and international exhibitions.

This product has won several medals at the Seoul International Invention Fair (SIIF) 2017, International In Innovation and New Product Exposition, United State of America (USA) (INPEX 2013), International Co Institutions of Higher Learning (PECIPTA 2017), Water Malaysia 2013 dan Global Agri Tech Summit 2019.

Researcher's Information

Name : Ts. Mohd Najib bin Razali
State of birth : Johor Darul Takzim
Academic background : M. Eng. (Chemical Engineering), UMP and B. Eng. (Chemical Engineering), UMP
Expertise : Environmental Engineering, Recycling Technology, Wastewater Treatment

The Importance of Data Analysis in Busine

By: NUR SA'ADATUL AFZAN JUSOH, CORPORATE COMMUNICAION DIVISION

Having the means for data analysis in a business can increase the value and profit of a company in the futu

In fact, in the present digital era, security aspect and digital innovation have become essential features f
way.

According to Malaysia Airlines Berhad (MAS) Business Intelligent Insights data analyst Parjit Singh Ranjeet
human resource development such as in terms of division of work and matching the task according to skills

Parjit Singh was one of the panellists invited to speak at the MBA Business Forum, an event held in conju
Data Analytics: What's Next' organised by the Faculty of Industrial Management (FIM) at the Zenith Hotel in

He shared some of his work experience in data application such as diversifying flight trend and identifying th

Another speaker, Chief Executive Officer of Vulsan X Dr. Prakash Christiansen, said online data would exp

"Private information can be easily leaked and will normally be used for certain organisations. The more so
higher the risks in private information getting exposed.

"The public is reminded not to be easily duped with certain words such 'free', for example, free downloads a

"In this era, we must not hesitate to pay a bit more for the sake of security," he added.

Malaysian Digital Economy Corporation (MDEC)'s Strategic Corporate Chief of Strategy and Research
agency's role in implementing various programmes such as the #eRezeki and #eUsahawan involved a lot o

FIM Dean, Dr. Fazeeda Mohammad said the MBA Business Forum was an annual event organised by the f

“This time around, the forum is held in class live globally that involves three institutes from India, DJ Acade
of Management Studies from Coimbatore, India and Periyar University Salem, Tamil Naidu.

“Other than being a platform where participants can exchange their ideas, it encourages collaborations a
and university.

“The programme aims at producing competent managers. They learn about the administrational and practi
and global thinking,” said Dr. Fazeeda.

Programme Director, Dr. Suhaidah Hussain said sharing of ideas and experience by experts in the industry
practice.

“In this challenging business world and digital era, we hope the MBA programme will produce potentia
complex problems systematically and creatively.

“Now, data analysis is used by most companies in Malaysia,” she said.

A participant and UMP postgraduate student Mohd Izzat Shafie@Mohd Alias said he hoped more of such p
would be enjoyed not only by the campus community but also the industries especially in facing the challen

Mohd Izzat is pursuing his studies in Masters’ in Business Administration.

“The forum has been a very informative programme as the panellists are all experienced people in their
data analysis method to help manage a plan or make improvements to enhance the organisation’s perform

“It also highlights the aspect of date security that is being given less attention by some parties which can g
he said.

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