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[VOL. 19 FEB 2019](#)

**Minister of Youth and Sports met some 1,500 university students  
youth and sports associations in a town hall meet**

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More than 1,500 undergraduates and representatives from youth and sports associations turned up at (UMP) Gambang Campus for a town hall meeting with Minister of Youth and Sports Yang Berhormat Syed on February 18, 2019.

The undergraduates were mainly from institutes of higher learning in Pahang such as Widad University C, University College (KUIPSAS), Sultan Haji Ahmad Shah Polytechnic (POLISAS), Pahang Skills Develop, University Malaysia (IIUM), University College of Yayasan Pahang (UCYP) and Universiti Teknologi MARA

Also present at the event were UMP Vice-Chancellor, Professor Dato' Sri Dr. Daing Nasir Ibrahim, Natic Ahmad Shapawi Ismail and Pahang Youth and Sports Director, Shansuhaimi Basir.

In his speech, Professor Dato' Sri Dr. Daing Nasir welcomed the minister to share his aspiration and to comprising the undergraduates, an event that was held for the first time in UMP.

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“This meeting is also set to strengthen the leadership in student and youth as well as in the development of the country. The role of youth by all parties in shaping the identity of youth is very important for they are the beneficiary of the future,” he said.

For this programme, Pahang Youth Council President, Wan Emril Nizam Wan Embong acted as the moderator.

Syed Saddiq spent more than two hours in explaining matters relating to government policies and answering questions.

Discussions also centred on views and suggestions on ways to address issues relating to sports development, unemployment and the rising of living standards which had burdened the young generation.

Syed Saddiq also said that there were job opportunities in other countries for the young generation following the current economic situation of the government.

“Experience working abroad could be used when they returned home where they could help in the country’s development.”

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**UMP creating excellence together with the industry to empower the nation**

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In facing the year 2019, Universiti Malaysia Pahang (UMP) will continue to create excellence and dynamism as a leading technology university.

That was the gist of the Annual Speech for 2019 by UMP Vice-Chancellor, Professor Dato' Sri Dr. Daing Nasir.

More than 5,000 people consisting UMP community turned up to listen to his speech, themed - 'Celebrating Success in Nurturing Entrepreneurship' which was held at UMP Sports Complex, Gambang Campus on February 19, 2019.

Also present were Deputy Vice-Chancellor (Research & Innovation), Professor Dato' Dr. Mashitah Mohd Yusoff (Research & Innovation International), Professor Dr. Wan Azhar Wan Mohd Yusof, Deputy Vice-Chancellor (Student Affairs & Alumni Relations), and Industry Network Alumni Platform (INAP) Action Council Chairman, Amir Ashraf Hamzah.

In celebrating success, Professor Dato' Sri Dr. Daing Nasir said the finest example was when UMP became the first Malaysian universities (MTUN) to be ranked as 188th best in Asia by QS University Ranking Asia: 2019 and for good practice in Learning in the Quacquarelli Symonds (QS) Stars Rating 2018.

"The QS also listed the Mechanical and Manufacturing Engineering in UMP in the 251-300 best group in the world."

"We have also scored five stars in all aspects of rating including the Malaysia Research Assessment (MARA) by Ministry of Education (SETARA), Ministry of Education Data Collection System (MyMohes) and Financial Management Department Accountability Index" he said.

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He added that exchange of knowledge, research development, consultation activities, training and community efforts taken to meet UMP's industrial needs.

"UMP will also make use of the Industry Network Alumni Platform (INAP) that serves as an important platform, which signifies continuous effort of the university in strengthening networking between the industry and alumni.

"INAP is an initiative that is collectively mooted by the Department of Industrial and Community Networking, Office of Student Affairs and Alumni. It is a platform for the university's alumni working in the public and private sectors to contribute based on their professional capacity, be it as executives, technocrats, entrepreneurs, academicians, etc.

"In another move to enrich the entrepreneurship field, UMP will focus on the small and medium industry (SMI) programme and to develop the International Incubator Network," he said.

In responding to the government's call to strengthen the Technical and Vocational Education and Training (TVET) sector, Nasir said UMP would be offering six new programmes in engineering-related Bachelor of Technology, Diploma in Engineering, polytechnics and skill training institutes.

"The programme would commence this year," he added.

In line with its theme on generating glory, UMP would continue to focus on its five strategic leaps - Academic Excellence, Research Excellence, Brand Excellence and Sustainability in Socio-Economic and Environmental

The university also launched UMP Green Policy and 'Let's Break Up with Single Use Plastic' campaign worldwide among university campus community.

The focus was on waste management which was one of the aspects in environmental health, with emphasis on Reduce, Reuse, Recycle, Rot and Re-Think.

Various programmes were organised by UMP's Occupational Safety and Health Management Office (OSH) to ensure sustainable management to enhance awareness on the initiative.

UMP would also strive to build up the education sector, conduct world-class researches and offer services to the industry system based on the five leaps outlined, those related to chemical engineering, automotive engineering,

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and manufacturing engineering that would benefit the people.

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## **CITREX 2019 promotes innovative culture among young researchers**

The Creation, Innovation, Technology and Research Exposition (CITREX) 2019 has entered into its ninth year. Universiti Putra Malaysia (UPM) is seen as a platform that promotes and nurtures innovative culture among researchers, be it the academic or industrial.

The competition involved three of its research partners from the technical university networking (MTU) Universiti Teknikal Malaysia Melaka (UTeM) and Universiti Tun Hussein Onn Malaysia (UTHM).

It was held on February 13 and 14 at UMP Sports Complex, Gambang Campus and this year, the competition

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increase of 20% as compared to 355 in 2018. It also introduced a new category this year – the secondary school category.

The initiative was part of the efforts taken that supported UMP's initiative to communitise technology (Reading, Engineering, Arts and Mathematics) programme.

According to UMP Vice-Chancellor, Professor Dato' Sri Dr. Daing Nasir Ibrahim, a total of 203 entries were received from the MTUN network (MTUN), 173 from UMP students and 18 from secondary schools comprising excellence cluster schools and MARA Junior Science College (MRSM).

"School students are also invited to take part in other competitions such as the National STEM Colloquium and Technology Hunting to be held middle of the year in UMP," he said, adding, more opportunities were available in the International Innovation Technology (iFINOG) scheduled on April 19-21.

Professor Dato' Sri Dr. Daing Nasir also presented prizes to the winners of CITREX 2019. Also presented prizes to the winners of CITREX 2019 (Research & Innovation), Professor Dato' Dr. Mashitah Mohd Yusoff and Deputy Vice-Chancellor (Academic) Professor Dato' Azhar Wan Yusoff.

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Among the winners were UMP student Nurul Jannah Baharuddin and team of researchers comprising Muhammad Zulhilmi Shamsul Amran, Edward Ang Sheng Hui and Dr. Muchamaf Oktaviadri who won (Best of Category) for their project titled, 'Seal Strength Tester Machine (SSTM)'. The project involved a testing machine package for any leakage.

UMP lecturer Nor Azhar Ahmad from Faculty of Computer Systems & Software Engineering (FSKPP) also won (Best of Category) for creating 'Hee Doo - Sensing Made Easy' which was an air quality detector using a device compared to other products in the market.

It was interesting to note that the research was able to analyse air quality and make recommendations for application.

The team members were Dr. Rahmah Mokhtar, Fauziah Zainuddin, Roslina Abd Hamid, Amirul Husni Abd Cin, Chia Zhen Hon and Nazira Azman.

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## **Two UMP researchers invented LED lights that could**

Two Universiti Malaysia Pahang (UMP) researchers, Hisaji Noda and Muhammad Ikram Mohd Rashid from Faculty of Engineering (FKEE) had successfully created high efficiency Light Emitting Diode (LED) system called 'UM

They started the research project in 2010.

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Project leader, Hisaji Noda, who is from Fukuoka, Japan, said the idea came about after observing existing products that often had life span and heat issues.

“Due to high heat released, the system cannot last long. However, UMP USB LED Stick can last up to 16 hours, which is longer than most products available in the market. The heat factor can cause lights to break down easily.

“There are a lot of LED lights in the market but mostly will heat up easily and can last between three to five hours. The LED was designed in such a way that it was easy to carry and use.

He also said one only needed to plug the product to a power bank to activate the LED light system.

“This product is able to solve problems often face by night market sellers, travellers, mechanics and construction workers. It is easy to carry around and does not need power from a utility source.

“For future plans, the LED system developed will be marketed in various forms such as street light, house light, etc. to be added.

Mohammad Ikram said the project was funded by Malaysia Technology Development Corporation (MTDC) and is a subsidiary of MHK Technologies Sdn. Bhd.

He added that the company had plans to market the products, with a price tag of RM250 per set that can be powered by a power bank.

“This product had received recognition, locally and abroad, through various invention competitions such as the International Research Exposition (CITREX) 2010, International Invention, Innovation and Technology Exhibition (ITEX) 2010, and the Singapore International Invention Fair (SIIF 2011).

“The light system is now being used in Pekan Campus and is found to last until now although tests were conducted.

He hoped that the LED system developed could help solve problems involving light sources at areas where power is not available.

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