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QS ranks UMP among Top 50 best young univ

As Universiti Malaysia Pahang (UMP) celebrates its 17th anniversary of foundation this year, it record successfully made it to the ranking group of 101-150 in the global 50 best young universities for 2019.

World renowned tertiary education accreditation agency, Quacquarelli Symonds (QS), made public its ann under 50' last Tuesday July 2. For the full report, click on the following link: https://www.topuniversities.com/

Having made such international ranking, together its local Malaysian Technical University Network (MT (UniMAP), is a testament that the technical and engineering university is on the right track, and can confide and development facility, community services as well as relevant industrial collaborations – on par with the

Congratulations UMP!

UMP, Kuantan Port signed MoA to enhance corporat

Universiti Malaysia Pahang (UMP) signed a Memorandum of Agreement (MoA) with Kuantan Port Cons study on integrity, governance, risk and compliance be carried out.

The MoA would also involve training aimed at enhancing corporate governance and efficiency as w employees towards the organisation and minimise operational cost and reputational risk.

With a pool of researchers having the right expertise from Faculty of Industrial Management (FIM) Governa was ready to impart its knowledge and skills with KPC management staff.

UMP was represented by its Vice-Chancellor, Professor Ir. Dr. Wan Azhar Wan Yusoff and Deputy Professor Ts. Dr. Kamal Zuhairi Zamli while KPC by its Executive Director, Wong Soon Fah and Traffi Mohd. Hashim.

The MoA was signed on June 21, 2019. Also present was Institute of Postgraduate Studies (IPS) Dean an
Hasnah Haron.

According to Professor Ir. Dr. Wan Azhar, an organisation would be able to achieve excellence and susta
governance, ethics, integrity and transparency were efficiently and effectively managed by those with veste

“The acculturation and experiencing of values in integrity and good governance is not limited to a
comprehensive in nature that impacts an individual, the society, country, public organisation such as UMP a

“The diversity in the staff academic background such as management, accounting, finance, economics,
advantage to enable inter-disciplinary research on governance and integrity be implemented, and th
collaboration established with KPC,” he said.

The Corporate Integrity System Assessment Study carried out is based on the Global Benchmark on Et
Joan Elise Dubinsky and Alan Richter (2008/2009).

It covers 13 organisational dimensions.

Training involving ethics, integrity and governance for selected staff would include six modules comprisi
management and anti-bribery management system.

Professor Dato’ Dr. Hasnah also said it was important for an organisation to understand good governanc
grow as well as able to control and shape management effectively.

She added that both UMP and KPC believed that the finding of the study would have huge benefits to the la
evaluation instrument, this could be used to assess and evaluate the level of integrity and ethics at KPC wo

Eleven UMP researchers would be involved in the evaluation process in KPC while in the training program
in various programmes such as a briefing, seminar and tests.

The study would be carried out in not less than two months while the training programme would be held ove
presented with certificates upon completion.

UMP researchers invented ‘MHeLFAGV’ – a forklift that could lift
than 50 kg

Concerned over problems faced by the industries relating to material handling equipment, a group of Univ
came up with a vehicle that could lift steel roll, weighing between 50kg and 60kg, from a relatively narrow
more than 20 minutes.

It is called the Mini Heavy Loaded Forklift Autonomous Guided Vehicle (MHeLFAGV).

The right type of forklift is used to lift heavy loads but normally, the size is rather bulky and unsuitable to
limited space.

Lead researcher and lecturer with Faculty of Electrical & Electronics Engineering (FKEE), Ir. Dr. Addie Ir
came up when Vacuumschmelze (M) Sdn. Bhd. (VAC) invited him to work together to solve problems faced

“It started with a discussion and it led to the development of MHeLFAGV that met the industrial requirement

“Research on the product began in 2014 and it was carried out together with my colleague, Ir. Dr. Akhtar Ra

“The idea for the vehicle was mooted by VAC General Manager, Mohd Arif Zakaria. It was completed las
Pahang.

He added that the vehicle was designed using the ‘pick-and-swallow’ mechanism that involved the heav
was moved to the designated location.

“This is to ensure balance when moving the load. It is different as compared to the other common forklifts fo

“It also used the omni tyre that allows the machine to move in all directions and make turns without takin
turns to enter into an aisle,” he said.

He said MHeLFAGV was easy to handle in a tight space with less possibility of accidents occurring such as

He hoped that the company would find the equipment working to their likings and meet their industrial ne
and that this would result in better and smoother work flow in the workplace located in Pekan.

“At the same time, both parties have plans to obtain more funds so MHeLFAGV can functioned more effe
by making it more automated.

“The plan is to speed up the lifting process by using the automatic system based on image processing a
unique mechanical mechanism.

“We also plan to further improve the robotic design, expand it and market it for other transportation ap
various versions,” he added.

‘ErgoSpillBag’ developed to handle chemical spi

By: MIMI NABILA MOHD NOORDIN, FACULTY OF ENGINEERING TECHNOLOGY

The Innovative & Creative Team (KIK) from the Faculty of Engineering Technology (FTeK), Universiti
developed the ‘ErgoSpillBag’, to facilitate quick reaction by laboratory users in emergency cases of chemica

Designed to be smaller and lighter, with ergonomic characteristics, the ‘ErgoSpillBag’ contains it
conspicuously hung on the walls at the lab.

According to FTeK Science Officer, Ikram Safiee, who is also the Head of KIK, the existing ‘Chemica
enclosed in a large bin, weighing some 30 kg and placed in a locked and secluded room a distance away fr

“The unsystematic arrangement of the kit inside the bin also makes it difficult for lab users to access it in
highlighted.

“This, in turn, causes undue delay to lab users to carry out cleaning and clearing activities should there be a

On that note, Ikram said KIK has developed a more efficient and easy-to-use product with ergonomic spec adjustable handle, weighing about 7 kg, and comes complete with a systematic arrangement of the prerequ

“The exterior of the ‘ErgoSpillBag’ is designed without any sharp edges, with an attached hook for an explained the Science Officer.

“Chemical spill is an anticipated emergency incident, with a probability of happening in any lab handling c respond quickly to handle any chemical spill in order to mitigate potential harmful effects on human health,”

Meanwhile, KIK Team Coordinator, Mimi Nabila Mohd Noordin, said the ‘ErgoSpillBag’ project was initi precautionary level of the students, staff and whoever is at the faculty’s lab handling chemical content.

“The initiative is in line with the FTek’s Occupational Health & Safety Policy, which also mirrors the OHSAS

“The ‘ErgoSpillBag’ is designed to facilitate easy cleaning and clearing works by the lab users should th the efficient system of the Emergency Response Plan at the FTeK lab.

“Hence, should there be a chemical spill at the lab, all that any user needs to do is grab one of the ‘Erg apply the cleaning kit according to the sequence prescribed in the User’s Manual enclosed in the bag,” she

The ‘ErgoSpillBag’ product recently coveted the Gold Award at the Malaysia Productivity Corporation (MP Coast Region) on June 24, 2019.

The project was collectively developed with the assistance of Dr. Ezrin Hani Sukadarin, Joharizal Johari Mat, Mohd Shamsul Azmi Samsudin and Mohd Azlan Sayuti.

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