

# Faculty of Engineering and IT

QUARTERLY  
NEWSLETTER  
2018/2019

# Ingenious

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# QUARTERLY NEWSLETTER 2018/2019

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## DEANS MESSAGE

I am gratified to know that the Faculty of Engineering and Information Technology (FEIT) is bringing out the first issue of the quarterly faculty newsletter. Year 2018 is a fruitful year for FEIT staff and students. We have successfully hosted the Engineering Science Technology International Conference, Engineering & Science Students Exhibition, 5 industry visits, 13 MoU Signing with industry partners, 7 technical talks, great achievement in National Championship of Robocon, International Engineering Invention & Innovation Exhibition (I-ENVEX) at UNIMAP, National Tower Crane Competition 2018 by the Institution of Engineers Malaysia (IEM), established IET On Campus and IEM Student Chapter. We would continue to promote broad implementation by the engineering community of the achievement, findings and recommendations. We would demonstrate productive in teaching and learning, and subsidiary skill developing mechanism for the students. I wish FEIT a very big success in all their ventures. I also applaud the coordination and efforts behind the editorial team to bring out this issue. I wish them all success.

IR PROF DR LEONG WAI YIE,

# Ingenious<sup>®</sup>



KASIPANDIAN KASIRAJAN



MUHAMMAD SUFYAN SAPWAN BIN  
MOHAMAD BASIR



NUR NABILA BINTI MOHAMED



NUR RASHIDAH BINTI AHMAD RASHIDI



SR. MUKRAM BIN IDRIS





# ESTIC'18

**26 and 27 November 2018**

**Engineering, Science & Technology International Conference 2018**

**MAHSA University, Bandar Saujana Putra.**

The aim of ESTIC'18 is to provide a platform for academicians, researchers, industry players and postgraduates from Malaysia and all over the world to present their research results and development activities in Engineering, Science and Technology





Faculty of Engineering and Information Technology, MAHSA University in its history successfully organized a major international level Technical conference, Engineering, Science & Technology International Conference 2018 (ESTIC'18) on 26<sup>th</sup> and 27<sup>th</sup> November 2018 in MAHSA University to create awareness among the research scientists, Faculty members, Scholars and students. This conference is a wonderful platform to share the innovative ideas, latest technical information, research findings and strategic solutions.

The inaugural ceremony of the international conference was kick off with opening speech by YB Tuan Haji Mohd Anuar Bin Mohd Tahir, Deputy Minister of Works, Malaysia at Newly launched beautiful and massive Sports complex, MAHSA University on 26<sup>th</sup> November 2018. The honourable Deputy Minister studied and graduated his Bachelor's degree in Business Administration at MARA Institute of Technology (ITM). He later obtained his Master degree in Sociology at Morehead State University, United states (1985-1986). The organizing committee put tremendous efforts to bring the Deputy minister for this most prestigious and valuable







A total of 6 international companies from industrial sector and 3 professional bodies which is most vibrant Technological Association Malaysia (TAM), the inspiring Institution of Engineering and Technology (IET) Malaysia and The premier Institution of Engineers, Malaysia (IEM) have joined for this conference as exhibitors. Furthermore, there are 9 distinguished speakers from various renowned universities, proficient professional bodies and reputed industry had been invited for keynote session. The eminent keynote speakers have been arranged to show the excellence of MAHSA University and for the beneficial of all the national and international participants and MAHSA students. The eminent speakers are Mr Fong Swee Hin (MSM Metal Industries Sdn. Bhd.), Prof. Dr. Norani Muti Mohamed (University Teknologi Petronas), Ir. Jimmy Wan Yoon Hin (ESAC Design Group), Dr. Subramaniam Karuppannan (MAHSA University), AP Ir. Dr. Sharifah Hafizah Syed Ariffin (Univesiti Teknologi Malaysia), Prof. Ir. Dr. Denny K. S. Ng (University of Nottingham, Malaysia), Ir. Dr. Tan Chee Fai (IEM Treasurer), Ir. Ellias Saidin (ASEAN Engineering Head Commissioner) and Ir. David Chuah (IET Treasurer ). For this conference, there are more than 100 papers have been received from Indonesia, Algeria, Nigeria, China and various universities in Malaysia. After scrutinizing the submitted papers by technical review committees, 65 papers have been selected for presentation in the conference.







These two days event was presented the spectacular closing ceremony by Prof. Dato' Dr Khairul Anuar Bin Abdullah, Vice Chancellor, MAHSA University and Ir. Yam Teong Sian, President of Technological Association Malaysia (TAM). The best presenter awards, best paper awards, best chairman award and ESTIC Young Icon Award were announced during the remarkable closing ceremony. In additional, Nazriah Mahmud, Hilton Ahmad, Lim Sin Nie were selected to receive the Young Scientist Network-Academy of Sciences Malaysia YOUNG INVESTIGATOR AWARD (YIA). To felicitate the winners awards have been distributed based on topics and parallel sessions. ESTIC Young Icon Award goes to Ir. Dr. Oh Chai Lian. Best paper award conferred to Yagasena Appannah, Siaw Wee Ong and his friends. Best presenter award honoured to participants from Inti University, Arcadia Research Center, Abubakar Tafawa Balewa University, Bauchi **Nigeria**, Manipal International University and Quest International University.







Last but not least, this conference would like to appreciate the valuable contribution and wholehearted support from MSM Metal Industries Sdn Bhd, Genetech, The Institution of Engineering and Technology (IET), Academy of Sciences Malaysia, Darultek Instrument Sdn Bhd, Scientific & Technical Products Sdn Bhd, MS Compose Sdn Bhd, Filpal(s) Pte Ltd, and Intellogic Technology Sdn Bhd.

### Event during November-2018



MAHSA Convocation 17-11-18



Research Seminar given by Faculty of Engineering and IT staff 22-11-18



Poster presentation by Faculty of Engineering and IT staff 23-11-18



Memorandum of Understanding (MOU) between MAHSA University and Intellogic Technology Sdn Bhd. 26-11-18

### Event during December-2018



Handing over of Drainage gates to MAHSA Tech. a special project by FEIT-5-12-18



Students Industrial visit to Yakult Malaysia factory, Seramban 6-12-18

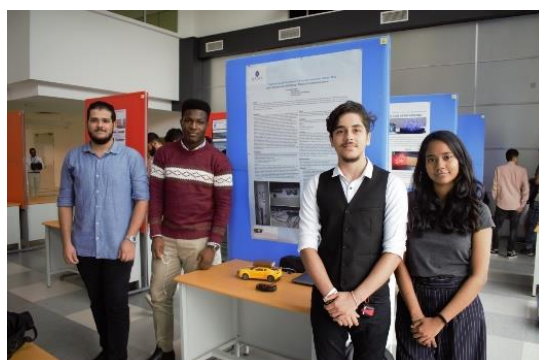


IAP meeting for Mechanical Engineering /Civil Engineering





# Engineering and Technology Students Exhibition 8 January, 2019



In its initiative to encourage participatory and hands on learning in Engineering and Science, Faculty of Engineering and IT organised Engineering and Science Students Exhibition on 8<sup>th</sup> January, 2019 at Spine level-2, Empathy building, MAHSA University. The great significance of exhibition is that it fosters acquisition of different process skills leading to the growth of multiple faculties of intelligence in societal circumstances.

With the key objective of bringing out the hidden talents of students and with a focus on creating more alertness of Engineering and Science, the exhibition was organised.

The exhibits covered different batches of Engineering and IT faculty displayed and presented their pioneering ideas. With their strategic ideas, students demonstrated their innovations in a humble and impressive manner to the spectators including teachers.





Furthermore a professional talk had been arranged for motivating the students in their studies and career development. Ir.Amir Farid Abdul Majid, Institution of Engineering and Technology(IET) Vice chairman was the distinguished speaker for the professional talk from a renowned professional body, IET. After courteous applause the presenter step forward and begins his professional talk. He commenced his speech by saying Engineering degree versus Career. Also he emphasised the fact that Reality is different from expectation. Having comprehensive work experience he explained students about how to become passion in their life. Being an informative speaker he then shared the skills required for a leader to excel in the job.



Finally in the prize distribution ceremony both the participants and winners applauded and rewarded with certificates and mementos.

**1. Best Project Award:** Mohamed Sheham Mohamed Abdul Kader with title IOT Based Emergency Power Shutdown Switch for Industrial Machines

**2. Best Poster Award:** Zaina M Zaki with title Advanced Smart Blind Cane 2.0: A Multi directional Sensory Aid





To enhance learning and improve assessment performance students accepted the feedback. The event really paved a platform for the budding Engineers to express their originality and gain self-confidence.

Overall the Engineering and Science exhibition together with competition was a grand success.

## MOU signing to enhance the Research Pathway

MAHSA University more delighted to sign Memorandum of Understanding (MOU) with GENE Tech Sdn Bhd. on 26 November, 2018. This MOU was made to strengthen the knowledge and transferring technology for development of MAHSA Engineering and IT students in the modern field of ROBOTICS. The two parties may include but not limited to knowledge sharing mutual consultations to Field trip, organising conferences, seminars and educational activities in the fields of Engineering and technology related areas. Gene Tech will also ready to help Faculty of Engineering and IT, MAHSA University on the development and delivery of research oriented projects.





The auspicious ceremony was witnessed by YB Tuan Haji Mohd Anuar Bin Mohd Tahir, Deputy Minister of Works, Malaysia and Dato' Dr. Shahril bin Tan Sri Datuk Mohamed Haniffa. MSM Metal Industries Sdn. Bhd. has generously handover a Welding Robot worth approximately RM80k to Faculty of Engineering & IT, MAHSA University. This is a big amazing and accomplishing moment for the Faculty as well as MAHSA University. This MOU brings a significant milestone for the improvement of High Talent professionals in Malaysia.

## IET YPS Leadership Camp 2018/2019



IET YPS Malaysia Network had organized their annual team building event entitled "IET YPS Leadership Camp 2018/2019 " on 5th to 6th January 2018 at Carpe Diem Orchard Home Serendah.

A team building event with IET YPS Malaysia, IET Malaysia Local Network, IET Communities Committee Asia Pacific (CC-AP), IET YPS Singapore, IET YPS Brunei, IET YMS Hong Kong, IEM Young Engineers Section (YES), Monash Engineers Australia Monash Sunway Student Section, and not forgetting our beloved On Campus groups from all over the country, UTAR, UNITEN, UCSI, Swinburne, UoSM, Heriott Watt, Taylor's, USM, MMU Cyberjaya, MAHSA, TARUC and UiTM.

This year's team building had a series of games, bbq dinner, Project Management Lifeskills (conducted by Michael Boon Heng), new On Campus introduction from MAHSA, TARUC and UiTM IET Malaysia Local Network sharing sessions related to the importance of registering as a professional engineer, students' long winding road journey of an engineer, CC-AP's sharing session. It was our great honour to host Dr Siong Tang who is the chairman of IET CC-AP (Communities Committee Asia Pacific) to share more about the role of IET CCAP, IET Faraday Challenge Regional level 2019 and IET Global Challenge Competition.



To wrap up, we would like to thank everyone's participation for making IET YPS Leadership Camp 2018/2019 a very memorable one for everyone. Specially thanks to the strong support from IET Malaysia Main Committees namely Professor Leong WY (Chairperson), Ir. Amir (Vice Chairman), Ir. Jimmy Fam and Assoc. Prof. Dr. Kok. Safe trip back home, everyone!

The Institution of Engineering and Technology (IET) IET Young Professionals\_IET On Campus IET Faraday IET Singapore Network IET Brunei Darussalam The Institution of Engineering and Technology Hong Kong The IET Hong Kong Younger Members Section (YMS) IET WA Young Professionals IET Auckland Young Professionals IEM YES HQ The Institution of Engineers, Malaysia (Penang Branch)



# Faculty of Engineering Facebook page

<https://www.facebook.com/FEIT.MAHSA/>

Facebook interface showing the Faculty of Engineering & Information Technology-MAHSA U... page. The page features a large photo of a group of students and staff posing together, with a caption "Community service by FEIT-MAHSA" and "17 Photos". The page also includes a "Visit Group" button and a "Create Post" button. The left sidebar shows navigation options like Home, Posts, Reviews, Videos, Photos, About, Community, Groups, Notes, Events, Promote, and Manage Promotions. The top navigation bar includes links to Apps, Office 365 Login, eStaff, MAHSA E-Learning, MAHSA IT Support, and Log masuk ke Face....

