



**IEM ENGINEERING WEEK 2017 (IEW 2017)  
at Universiti Teknikal Malaysia (UTeM), Melaka**  
by Ir. Dr Tan Chee Fai and Sdr. Tan Kok Sian



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IEM Engineering Week 2017 (IEW 2017) at Universiti Teknikal Malaysia Melaka was an initiative of IEM-UTeM Student Section which was supported by IEM Melaka Branch to promote Institution of Engineers, Malaysia (IEM) to UTeM students. IEW 2017 was held from 8th until 16th December 2017 with the theme “Future Engineers”. IEW2017 was a weeklong IEM- UTeM Student Section event in UTeM which was led by IEM-UTeM Student Section Chairman, Tan Kok Sian and initiated by Ir. Dr. Tan Chee Fai (IEM- UTeM Student Section advisor). Various activities such as talks, courses, and technical visits were organized to expose student members to various engineering and non-engineering activities.

The objective of IEM Engineering Week 2017 was to cultivate self-awareness about the importance of continuous human development and life-long learning among the students. In addition, it was also a good platform for IEM-UTeM Student Section to establish good relationships with other IEM Student Sections. It was also a platform to encourage more interactions among students from different faculties for idea and experience sharing.

The first activity was the technical visit to Yakult (M) Sdn Bhd, Seremban, Negeri Sembilan on 8<sup>th</sup> December 2017. There were 36 participants for the industry visit. The aim of the visit was to expose students to food manufacturing industry.



Technical visit to Yakult (M) Sdn Bhd,

Next, two workshops, namely, TRIZ Workshop and Solidwork Workshop were organized in parallel on 9-10 December 2017. In TRIZ Workshop, student have learned about the TRIZ tool for creative problem solving and to invent the new product. The TRIZ workshop was conducted by Certified TRIZ instructor, Associate Professor Norhaziah Md. Salleh. For Solidwork Workshop, non-mechanical students learned about the use of computer aided design (CAD) software to ease of product development and manufacturing process.



TRIZ Workshop

On 11-13 December 2017, a photo contest with the theme “Lovely Environment” was organized. It aimed to promote the beauty of our nature and create awareness on saving our environment. In order to promote the sustainable environment, IEM- UTeM Student Section also organized a poster competition, namely “Environment Innovation Poster Award Competition (EIPAC)”. 31 students have participated in the competition with their brilliant ideas in solving the environmental problem via engineering skills. The top 10 finale groups have presented their ideas during the closing ceremony in order to grasp the opportunities to commercialize their ideas to the public. On 14 December 2017, IEM- UTeM Student Section has organized a technical visit to ON Semiconductor at Senawang, Negeri Sembilan.

On 15<sup>th</sup> December 2017, Ir. Dr. Leong Wai Yie from IEM Women Engineers Section and En. Ahmad Nawawi Bin Mohd Amin from UTeM Alumni were invited for the a tea time sharing session. The aim of the sharing session was to motivate and encourage students to prepare themselves for their future.



Tea time sharing session with Ir. Dr. Leong Wai Yie

On 16 December 2017, a Forum on "Challenges of Graduate Employability Toward Industry Revolution 4.0" was organized on the last day of IEW2017. The aim of the forum was to give awareness to students about the latest industry trends and career challenges especially related to industrial revolution 4.0. The forum is honoured to have Ir. Mohd. Khir Muhammad (Chairman, IEM Southern Branch) as the moderator. The panelist consists of the guest of honour, Dr. Aishah Binti Abu Bakar (Director of Division of Academic Management, Ministry of Higher Education as the representative of Datin Paduka Ir. Dr. Siti Hamisah binti Tapsir, Director General, Ministry of Higher Education), Ir. Dr. Tan Chee Fai (Chairman, IEM Melaka Branch and IEM-UTeM Student Section Advisor), Ir. Fam Yew Hin (Chairman, Sub Committee Membership Drive and Promotion) and Mr. Richard Peh (General Manager, Pacestar Sdn. Bhd.). The forum involved UTeM students as well as students from other IEM Student Sections such as IEMSS Universiti Sains Malaysia (USM), IEMSS Universiti Teknologi Malaysia (UTM), IEMSS Universiti Tun Hussein Onn Malaysia (UTHM), IEMSS Universiti Malaysia Pahang (UMP), IEMSS Multimedia University Melaka (MMU) and IEMSS Manipal International University (MIU). The forum was also attended by committee members from IEM Young Engineers Section. An exhibition of various UTeM student societies, as well as EIPAC poster competition were also held in conjunction with the forum. Lastly, IEW2017 was officially closed by Dr. Aishah Binti Abu Bakar, Director of Division of Academic Management, Ministry of Higher Education.



Ir. Dr. Tan Chee Fai, Ir Fam Yew Hin, Ir. Mohd Khir Muhammad, Dr. Aishah binti Abu Bakar, Prof. Dr. Goh Ong Sing, Richard Peh and Tan Kok Sian (from left to right)



Ir. Mohd Khir Muhammad, Mr. Richard Peh, Ir. Dr. Tan Chee Fai, Dr. Aishah binti Abu Bakar, Dr. Noreffendy bin Tamaldin and Ir Fam Yew Hin (left to right)



Group photo during Closing Ceremony