Innovate Malaysia Design Competition (IMDC) 2016
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Innovate Malaysia Design Competition (IMDC) 2016 was a multi-discipline engineering design competition opened to all final year undergraduate engineering or computer science students in Malaysia since 2010. This year, the grand finale of IMDC 2016 was held at the Penang Equatorial Hotel from 8-9 August 2016 and this event was organised by TalentCorp Malaysia, and supported by the Malaysian Ministry of Higher Education (KPT), MDEC, terasIC, the Institute of Engineers Malaysia and with Dreamcatcher as the secretariat.

The goal of the competition was to promote innovation culture and mindsets among university graduates, to enhance knowledge and skillset in practical engineering and promote greater interest in engineering design, as well as to promote more industry and academia collaboration. This year, the grand finale was held from 8th to 9th August 2016 in Equatorial Hotel, Penang.

The students were informed on IMDC 2016 via university roadshows and were expected to submit the competition proposals in time. These proposals were then compiled and screened for competition entry and project implementation. Each team was expected to carry out the project implementation within the given time for final project presentation.

A total of 264 teams with 551 students has participated in IMDC 2016. The participants were categorized into nine (9) industry competition tracks mainly sponsored by Altera, Intel, Keysight, National Instruments, Siltera/CEDEC, MathWorks, Microsoft, Motorola, and ViTrox. Additional three (3) design challenge was participated by 30 teams with 185 students was sponsored by Sime Darby, TM, and WCS; and MDEC for the IoT Award. The students were from various university such as USM, UniMAP, INTI, UTAR (Kampar & Sg. Long), UTP, IIUM, UiTM, UPM, UM, MMU (Cyberjaya), UKM, UniKL, USIM, Monash, Nottingham, UPNM, UMP, UTHM, UTM, Southern, UNIMAS, Swinburne, and Curtin universities. 45 finalist teams from 14 universities were selected for industry competition tracks. In addition, the finalist teams were also expected to submit a technical paper for IEM Best Paper Award and DreamCatcher Best Demo Video Award which was sponsored by IEM and Dreamcatcher Consulting Sdn. Bhd., respectively.

The entries for the IEM best paper award were reviewed by a panel of judges from the Electronic Engineering Technical Division (eETD) committee members led by Dr. Chang Boon Peng. The submitted papers were technical judged based on overall idea development, language, consistencies of format and structure, and references. IEM Best Paper Award 2016 was won by Lim Yen Ruen, Lee En Sheng, and Oh Hai Seng from USM with a paper entitled "Dendritic Cell Classification Imaging System". While Ahmad Safuan B. Che Mohamad Som, Ahmad Jazlan B. Jamil, and Syahrol B. Zamzuri from UiTM won the DreamCatcher Best Demo Video Award with a project entitled "Electrochemical Biosensing Measurement System for Cancer Gene Detection". The Innovate Excellence Award goes to Microsoft

track winner from UTM with a project entitled "INNOVABOARD (Compact Body Balance Training Device)". Each industry competition track, design challenge, and IoT awards were also given away.

The level of commitment by participants in IMDC 2016 was breathtaking and award sponsors had a challenging time in judging the undergraduate projects. Past years' record showed 25% job placement for Grand Finale participants and was in line with Talent Corp's intention in early job placement and entrepreneurship. Besides design challenges, job fair and interview activities were carried out during the event. The Grand Finale was ended with the announcement of additional design challenge sponsors for IMDC 2017 and indirectly showed more supports from the technology industry for our nation growth.

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