

Results of winners for Innovate Malaysia 2016

Altera Track

Prize	Description
First	University: Universiti Teknologi Malaysia (UTM) Project Title: FPGA Implementation on Hearing Protection Device (HPD) MY212 Team Members: Mohammad Faiz Mokhtar Kamal, Deric Wong Soon Ang, Yuan Wen Hau, Tang Howe Hing and Ailin Bt Razali
Second	University: Universiti Sains Malaysia (USM) Project Title: Low Cost Solution of Embedded Real-Time Control Communication System for Robotics MY028 Team Members: Jacky Yong Tung Kiet, Ho Kar Hwai and Lee Kong Lam
Third	University: Southern University College Project Title: Malaysian Sign Language Translator and Educational Courseware Module MY039 Team Members: Chen Choon Yong, Ooi Li Hong, Ler Hia Hao and Eng Pei Chee
Consolation	University: Universiti Malaysia Perlis (UniMAP) Project Title: Machine Vision for String Detection System on FPGA MY076 Team Members: Teo Sje Yin and Phaklen Ehkan
Consolation	University: Universiti Sains Malaysia (USM) Project Title: Hardware Efficient Advanced Encryption Standard (AES) Co-Processor for IoT Devices MY175 Team Members: Shen Jie. Ung

Intel Track

Prize	Project Title
First	<p>University: Swinburne University of Technology</p> <p>Project Title: NFC-based Intelligent Parking System Utilizing Smartphones with Parking Lot Monitoring (InstantPark)</p> <p>MY112 Team Members: M. M. E. Chai, J. H. E. Wong, D. C. C. Chin, and H. S. Chua</p>
Second	<p>University: Swinburne University of Technology</p> <p>Project Title: Autonomous Oil Palm Loose Fruits Collector</p> <p>MY314 Team Members: Lim Hong Jian, Aylwin Chai Bing Chun, Wong Yeng Liong and Dr. Hudyjaya Siswoyo Jo</p>
Third	<p>University: Universiti Teknologi MARA (UiTM)</p> <p>Project Title: Wearable Healthcare with Smart Monitoring System</p> <p>MY186 Team Members: M. A. H. M. Zahli, N. Z. Marzuki, N. Kamarudin, S. H. Herman, I. M. Yassin and N. M. Isa</p>
Consolation	<p>University: Universiti Tunku Abdul Rahman (UTAR)</p> <p>Project Title: Co-operative Wireless Traffic Light System</p> <p>MY089 Team Members: Chong Hon Fong</p>
Consolation	<p>University: Universiti Teknologi MARA (UiTM)</p> <p>Project Title: Wearable Healthcare with Smart Monitoring System</p> <p>MY201 Team Members: M. A. H. M. Zahli, N. Z. Marzuki, N. Kamarudin, S. H. Herman, I. M. Yassin and N. M. Isa</p>

Keysight Technologies Track

Prize	Project Title
First	<p>University: Universiti Teknologi MARA (UiTM)</p> <p>Project Title: Electrochemical Biosensing Measurement System for Cancer Gene Detection</p> <p>MY120 Team Members: Ahmad Jazlan Jamil, Ahmad Safuan Che Mohamad Som and Syahrol Zamzuri</p>
Second	<p>University: Universiti Malaysia Pahang (UMP)</p> <p>Project Title: IoT: Smart Car Monitoring System (Vehicle After Crash Alert)</p> <p>MY393 Team Members: Muhammad Khairul Nizam Bin Ishak</p>

Third	<p>University: Universiti Teknikal Malaysia Melaka (UTeM)</p> <p>Project Title: Classification of Domestic Electrical Appliances Based on Starting Transient Using Artificial Intelligence Methods</p> <p>MY176 Team Members: Ong Sze Mun</p>
Consolation	<p>University: Universiti Malaysia Perlis (UniMAP)</p> <p>Project Title: Failure Analysis on Probe Pins of a Microprocessor & Development of a Test Module to Detect the Failure</p> <p>MY135 Team Members: Tang Li Wern, Capt Dr. Vithyacharan Al Retnasamy, Ili Salwani Binti Mohamad, Mohammad Hafiz Ahmad and Yeoh Shun Rhu</p>
Consolation	<p>University: Universiti Malaysia Perlis (UniMAP)</p> <p>Project Title: A Robust Wearable Antenna System for Search and Rescue Applications</p> <p>MY328 Team Members: F. M. A. Fikrey, Dr. P. J. Soh, and A. A. M. Ezanuddin</p> <p>Advisor:</p>

MathWorks Track

Prize	Project Title
First	<p>University: Universiti Sains Malaysia (USM)</p> <p>Project Title: Development of Network Based Surveillance Module (NBSM) for the Wild</p> <p>MY073 Team Members: T. F. Tan, J. E. Fow, K. S. Yen and S. S. Teoh</p>
Second	<p>University: Universiti Sains Malaysia (USM)</p> <p>Project Title: Dendritic Cell Classification Imaging System</p> <p>MY016 Team Members: Lim Yen Ruen, Lee En Sheng, Oh Hai Seng and Nor Ashidi Mat Isa</p>
Third	<p>University: Universiti Sains Malaysia (USM)</p> <p>Project Title: Optimizing Surveillance Protocol Using Model-based Design of Hybrid Unmanned Aerial Vehicle</p> <p>MY105 Team Members: Hoe Yew Hock, How Yong Guan and Ahmad Faizul bin Hawary</p>
Consolation	<p>University: Universiti Teknikal Malaysia Melaka (UTeM)</p> <p>Project Title: Classification of Myoelectric Signal for Underactuated Prosthesis Hand Motion Control</p> <p>MY132 Team Members: Lee Su Wing and Loh Kok Yong</p>

Consolation	<p>University: Universiti Teknikal Malaysia Melaka (UTeM)</p> <p>Project Title: Development of Control Algorithm for Pneumatic Muscle Actuator</p> <p>MY215 Team Members: Chan Chun Yuan, Chong Shin Horng and Lee Chee Keen</p>
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Microsoft Track

Prize	Project Title
First	<p>University: Universiti Teknologi Malaysia (UTM)</p> <p>Project Title: InnovaBoard (Compact Balance Training Device)</p> <p>MY241 Team Members:</p>
Second	<p>University: Universiti Teknologi MARA (UiTM)</p> <p>Project Title: Ketobetix Personal Health Care Monitoring System</p> <p>MY045 Team Members: Nur Shima Binti Abdul Aziz, Mohd Amin Khusyairi Bin Othman and Nur Alya Binti Ahmad</p>
Third	<p>University: Swinburne University of Technology</p> <p>Project Title: Mobility and Navigation Aid for the Visually Impaired</p> <p>MY010 Team Members: Daniel Vong Wei Liang, Stella Vong Wei Jing and Dr Almon Chai</p>
Consolation	<p>University: Universiti Kebangsaan Malaysia (UKM)</p> <p>Project Title: Development of Automated Triage System for Emergency Medical Service</p> <p>MY022 Team Members: H.A. Chong, K.B. Gan and I.M. Saiboon</p>
Consolation	<p>University: Universiti Teknologi Malaysia (UTM)</p> <p>Project Title: Advanced Recycling Machine (ARM)</p> <p>MY168 Team Members: Bong Yu Liang and Abdul Rashid bin Husain</p>

Motorola Solutions Track

Prize	Project Title
First	<p>University: Universiti Malaysia Perlis (UniMAP)</p> <p>Project Title: Development of a Health Monitoring Vest for the Elderly</p> <p>MY139 Team Members: H. M. Adam, P. J. Soh and A. A. M. Ezanuddin</p>
Second	<p>University: INTI International College Penang</p>

	<p>Project Title: Intelligent Data Mining & Vehicle Ecosystem with Big Data Analysis through IoT Gateway</p> <p>MY274 Team Members: Leong Chun Kit, Lim Sit Liang, and Koh Jia Hua</p>
Third	<p>University: Universiti Tun Hussein Onn Malaysia (UTHM)</p> <p>Project Title: Real-Time Bus Location and Arrival Information System</p> <p>MY122 Team Members: Benjamin Y.O. Low and Hafiza Harun</p>
Consolation	<p>University: Universiti Malaysia Perlis (UniMAP)</p> <p>Project Title: Indoor Positioning Tracking with Biosensor for Vitals Monitoring Application System</p> <p>MY174 Team Members: Lok Kok Chao and Wong Joanne</p>
Consolation	<p>University: Universiti Tun Hussein Onn Malaysia (UTHM)</p> <p>Project Title: Recycle Bin Notification and Location Tagging with Google Maps Application</p> <p>MY243 Team Members: Nur Shilla Obin, Nur Farezan M. Suhaimi and Azizul Aziz</p>

NI Track

Prize	Project Title
First	<p>University: Universiti Teknikal Malaysia Melaka (UTeM)</p> <p>Project Title: Development and Analysis of Head Tracking System for Robotic Wheelchair Control</p> <p>MY157 Team Members: Vincent Yap</p>
Second	<p>University: Universiti Tun Hussein Onn Malaysia (UTHM)</p> <p>Project Title: High-Performance and Low-Injury Real-Time Monitoring Systems for Rowing</p> <p>MY182 Team Members: Muhammad Syafuan Bin Safiee and Afandi Bin Ahmad</p>
Third	<p>University: Universiti Teknologi Malaysia (UTM)</p> <p>Project Title: Upcycling Coffee Grounds & Tea Leaves with Automated Mushroom Cultivation System (AMCS)</p> <p>MY085 Team Members: Vincent Ong Boon Keong</p>
Consolation	<p>University: Universiti Teknologi MARA (UiTM)</p> <p>Project Title: Smart Shoe for Recreational Activities</p>

	MY025 Team Members: Muhammad Iqbal Bin Mohd Ali, Muhammad Anis Aizzat Bin Abd Aziz, and Mohamad Fairus Bin Ismail
Consolation	University: Swinburne University of Technology Project Title: Reverse Vending Machine MY252 Team Members: Dominic Ting Fu Rong and Tan Yong Jia

SilTerra/CEDEC Track

Prize	Project Title
First	University: Universiti Teknikal Malaysia Melaka (UTeM) Project Title: Design and Development of a Low Power Compact Integrated Processor of an Embedded System MY334 Team Members: Sam Seng Yang
Second	University: Universiti Malaysia Perlis (UniMAP) Project Title: Design and Fabrication of DC High Voltage Low Current Power Supply Module MY130 Team Members: Yee Wan Lim and Chia Jian Ho
Third	University: Universiti Malaysia Perlis (UniMAP) Project Title: Design on Interface Chip for LED Driver for Low Power Consumption MY278 Team Members: Fum M. Ching, Sin H. Lee, Cui Y. Tan and Sudhanshu S. Jamuar
Consolation	University: Universiti Putra Malaysia (UPM) Project Title: Automated Cell Library Creation for Extreme Energy Efficient IoT Devices (ExCellEnt) MY312 Team Members: Lim Sze Huang, Siti Rahimah, and Nor Saadah
Consolation	University: Universiti Teknikal Malaysia Melaka (UTeM) Project Title: Energy Adaptive Power Management System Design using MPPT techniques for energy scavenging in mobile and wireless devices MY346 Team Members: W.P. Ang and Y.C. Wong

ViTrox Track

Prize	Project Title
First	<p>University: Curtin University</p> <p>Project Title: Camera-based Solar Tracking System</p> <p>MY434 Team Members: Jason Ha Heng Teck, Jonathan Phang Then Sien and David Ha Heng Leex</p>
Second	<p>University: Swinburne University of Technology</p> <p>Project Title: Vision Based Driving Assistance System: THE THIRD EYES</p> <p>MY256 Team Members: Kuan Howe Wee and Kenneth Jian Yan Lai</p>
Third	<p>University: Universiti Sains Malaysia (USM)</p> <p>Project Title: Automatic Bird's Nest Inspection and Grading System Using Machine Vision</p> <p>MY173 Team Members: X.Z. Ong, Q.W. Lim, J.H. Lee, C. K. Yee and K.S. Yen</p>
Consolation	<p>University: Universiti Putra Malaysia (UPM)</p> <p>Project Title: Diabetic Rethinopathy Classification System for Malaysia Population Using Digital Fundus Images</p> <p>MY006 Team Members: N. F. M. Mahfudz, N. A. Salim, Z. A. Omar, M. Hanafi and M. Muna'im</p>
Consolation	<p>University: Universiti Tunku Abdul Rahman (UTAR)</p> <p>Project Title: Detecting Abnormal Cholesterol Level using Iris Recognition Algorithm</p> <p>MY140 Team Members: Tan Yi Chun, Leong Chee Yong and Sia Seng Chee</p>

Innovate Malaysia Excellence Award 2016

Details
University: Universiti Teknologi Malaysia (UTM)
Project Title: InnovaBoard (Compact Balance Training Device)
MY241 Team Members:

Design Challenge Award 2016 & others

Prize	Description
Sime Darby	<p>University: Swinburne University of Technology</p> <p>Project Title: Autonomous Oil Palm Loose Fruits Collector</p> <p>MY314 Team Members: Lim Hong Jian, Aylwin Chai Bing Chun, Wong Yeng Liong and Dr. Hudyjaya Siswoyo Jo</p>
TM	<p>University: Universiti Teknologi MARA (UiTM)</p> <p>Project Title: Wearable Healthcare with Smart Monitoring System</p> <p>MY186 Team Members: M. A. H. M. Zahli, N. Z. Marzuki, N. Kamarudin, S. H. Herman, I. M. Yassin and N. M. Isa</p>
WCS	<p>University: Universiti Sains Malaysia (USM)</p> <p>Project Title: Development of Network Based Surveillance Module (NBSM) for the Wild</p> <p>MY073 Team Members: T. F. Tan, J. E. Fow, K. S. Yen and S. S. Teoh</p>
DreamCatcher's Best Demo Video Award	<p>University: Universiti Teknologi MARA (UiTM)</p> <p>Project Title: Electrochemical Biosensing Measurement System for Cancer Gene Detection</p> <p>MY120 Team Members: Ahmad Jazlan Jamil, Ahmad Safuan Che Mohamad Som and Syahrol Zamzuri</p>
IEM Best Paper Award	<p>University: Universiti Sains Malaysia (USM)</p> <p>Project Title: Dendritic Cell Classification Imaging System</p> <p>MY016 Team Members: Lim Yen Ruen, Lee En Sheng, Oh Hai Seng and Nor Ashidi Mat Isa</p>