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Sarawak Invention, Innovation & Design Expo

SIIDEx 2016

29 - 30 January 2016
Dewan Jubli, UiTM Sarawak

"Empowerment through Invention, Innovation & Design (IID) Engagement"

By Ling Siew Ching

Sarawak Invention, Innovation & Design (SIIDEx) 2016, with the theme "Empowerment through Invention, Innovation & Design (IID) Engagement", was held from 29 to 30 January 2016 at Dewan Jubli, Campus 1, UiTM Sarawak. This competition cum-expo event was successfully organized by the Research Innovation Business Unit (RIBU), the Industry, Community, Alumni Network Unit (ICAN), the Invention and Design Association of Sarawak (IDEAS) in collaboration with Pasukan Gerakan Kualiti Pelajar (PGKP) of UiTM Sarawak. RIBU began this competition in 2004 and every year, there is an increase in the number of participants, the schools taking part and the visitors.

SIIDEx 2016 aimed to nurture the culture of invention, innovation and design among the participants by providing them a platform to compete and showcase their products. It also aimed to identify potential products for commercialisation and to offer an opportunity to promote business cooperation between the academics and the relevant agencies and industries. Besides this, it also aimed to promote science, technology, engineering and mathematics (STEM) among school students.

Category	Total products	Total participants
A Staff IID (For UiTM academic and non-academic staff)	39	161
B Young IID (For UiTM students only)	35	160
C School IID (For secondary school students in Sarawak)	14	75

SIIDEx 2016 launched this competition via online registration and accepted 88 entries under three categories. The table below shows a summary of the three categories, the products and the participants.

Associate Professor Dr. Hajah Rasidah Mahdi, the Deputy Rector for Research and Industrial Linkages, UiTM Sarawak in her officiating speech noted that innovation plays a key role in driving the economic growth and building the foundation of the country's future. This is the reason why strategies are developed to foster stronger linkages, collaboration and trust among stakeholders at both the enterprise and societal levels to ensure that new inventions are developed. Continuous innovation for new and improved products, and processes, technologies and business models are important to enhance productivity and competitiveness of our nation. Therefore, this expo could serve as a platform to identify potential products for the purpose of business matching and commercialisation.

Some activities related to IID such as a talk entitled "Nurturing Ideas into Commercialised Products" by a speaker from MyIPO and a sharing session with UiTM's very own renowned inventor, Professor Dr. Ku Halim Ku Hamid, were conducted during the first day after the opening ceremony. Besides that, quizzes related to IID cum lucky draws were also carried out each day to attract the visitors as well as to enliven this event. The visitors were university and school students, teachers from Kuching and Samarahan area, agencies and company representatives and others. The Federal Agricultural Marketing Authority (FAMA) and the Intellectual Property Corporation of Malaysia (MyIPO) also participated in the two-day exposition.

The panel of judges were experts from various faculties in UiTM Sarawak as well as from other universities and from the industries. The judging was based on the products' originality, creativity, usability and practicality, potential for commercialisation or marketability, overall design and the presentation quality. The winners for the three categories are as follows:

CATEGORY A: STAFF IID		
SUB-CATEGORY	AWARD	PRODUCTS NAME
Best of the best Award		e-Integral Map: An interactive Web Application for Solving Integrals
INVENTION	Best Invention	3D Hydrodynamic Flood Simulator
	Gold	3D Hydrodynamic Flood Simulator
	Bronze	Dabai Green Pad
INNOVATION		PANDALONIA
	Best Innovation	e-Integral Map: An interactive Web Application for Solving Integrals
	Gold	e-Integral Map: An interactive Web Application for Solving Integrals
Silver		Coconut Meat Shake (CMS)
		e-Pomeng
		Auto Gtech Drop Hammer Kit
Bronze		Online Interactive Mathematics Learning Webpage
		Bus Destination Alarm Mobile Application
		creditexempt.com
DESIGN		Redox Clothes Drying Rack
		Compound Words Puzzle
		Lamp Remote Switch
Bronze		The Insight of Lean Construction Tools Strategies in Construction Project
	Best Design	Math Scrabble for Fun
	Gold	Math Scrabble for Fun
Silver		Zero-to-Five Degrees
		ApaSalui The Dream Catcher Board Game
		SFRC (Sustainable Fibre Reinforced Concrete)
Bronze		Mix Design
		Coconut Meat Shake (CMS)
Best Booth Award		

CATEGORY B & C: YOUNG IID & SCHOOL IID		
SUB-CATEGORY	AWARD	PRODUCTS NAME
Best of the best Award		e-Hanger (SMK Asajaya)
INVENTION	Best Invention	Handy Cocoa Pod (Handy-Pod) Breakers
	Gold	Handy Cocoa Pod (Handy-Pod) Breakers
	Silver	Pulasan Natural Powder Red Food Dye
	Bronze	Gen 1: Killer
INNOVATION		Measuring Leaf Area Using Autocad
		Cultured Microbial Colonies (CMC) Counter
	Best Innovation	Easy Scoop Transplanting
	Gold	AUTO2-BQ (AUTOMATIC TAKING-OFF AND BILL OF QUANTITY)
Silver		B-YouthE
		Easy Scoop Transplanting
		EZIEF Paper Staker (SMK Tun Ahmad Zaidi)
Bronze		ROD
		Motorized Electrical Blackboard Cleaner (MEB) Cleaner (PEWANI 3)
		Traditional Usage Of Sarawak Cassia Species To Treat Dermatophytic Fungi Infection (SMK Batu Lintang)
DESIGN		Waste Water Treatment By Incorporating Natural Waste Product (SMK Bako)
	Best Design	e-Hanger (SMK Asajaya)
	Gold	Bubble Tea Vending Machine
Silver		e-Hanger (SMK Asajaya)
		Green Aquaponic (PEWANI 2)
Bronze	Best Booth Award	Survival E-X21 Glow (SMK Muara Tuang)
		UTM SAMARAHAN IE-MAP
Best Practice Award		

Dr. Juferi Idris, as chairperson of SIIDEx 2016, acknowledged in his closing remarks that this event had been successful in stimulating ideas and hoped that all these ideas could be successfully implemented. He also hoped that future competitions, which can be organised on a larger scale and promoted at international level, will attract participants from other UiTM branches and schools outside Sarawak.

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Corporate Communications & International Relations

**Universiti Teknologi MARA Sarawak,
Jalan Meranek, 94300 Kota Samarahan,
Peti Surat 1258, 93312 Kuching,
Sarawak, Malaysia**

**Tel: 082 - 677 200 | Fax: 082 - 677 300
E-mail: corporate@sarawak.uitm.edu.my
www.sarawak.uitm.edu.my**