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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	PROJECT'S 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 PANDALONIA
INNOVATION	Best Innovation	e-Integral Map: An Interactive Web Application for Solving Integrals
	Gold	e-Integral Map: An Interactive Web Application for Solving Integrals
		Coconut Meat Shake (CMS)
		e-Ponteng
	Silver	Auto Grech Drop Hammer Kit
		Online Interactive Mathematics Learning Webpage
DESIGN	Bronze	Bus Destination Alarm Mobile Application
		creditexampt.com
		Redox Clothes Drying Rack
	Best Design	Compound Words Puzzle
		Lamp Remote Switch
		The Insight of Lean Construction Tools Strategies in Construction Project
DESIGN	Gold	Maths Scrabble for Fun
	Silver	Maths Scrabble for Fun
	Bronze	Zero-to-Five Degrees
	Bronze	ApaiSahu The Dream Catcher Board Game
Best Booth Award		SFRIC (Sustainable Fibre Reinforced Concrete) Mix Design
Best Practice Award		Coconut Meat Shake (CMS)

CATEGORY B & C: YOUNG IID & SCHOOL IID		
SUB-CATEGORY	AWARD	PROJECT'S 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	Gold	Measuring Leaf Area Using Autocad
		Cultured Microbial Colonies (CMC) Counter
		EASY SCOOP Transplanting
	Silver	AUTO2-BQ (AUTOMATIC TAKING-OFF AND BILL OF QUANTITY)
		B-YouthE
	Bronze	EZEE Paper Staker (SMKA Tun Ahmad Zaidi)
DESIGN	Gold	ROD
		Motorized Electrical Blackboard Cleaner (MEEB-Cleaner) (PEWANI 3)
		Traditional Usage Of Sarawak Cassia Species To Treat Dermatophytosis Fungi Infection (SMK Batu Lintang)
	Silver	Waste Water Treatment By Incorporating Natural Waste Product (SMK Bako)
Best Booth Award		Survival E-X21 Glove (SMK Muara Tuang)
Best Practice Award		UITM SAMARAHAN IE-MAP

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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SIIDEx 2016 wishes to convey our gratitude to the contributors and sponsors such as the State Workforce Development Unit (WDU), Persatuan Alumni UiTM Sarawak (MITSA), the Sarawak State Education Department, MATRADE, MIDA, MyIPO, SIRIM, FAMA, Clouet & Co. (KL) Sdn. Bhd., Maestro Swiss c/o DKSH (M) Sdn. Bhd. and Regal Marketing & Trading Sdn. Bhd.

The crowd of visitors gathering in the expo hall

Closing remarks by Dr. Juferi Idris, chairperson of SIIDEx 2016

The speaker from MyIPO

The visitors at the registration counter

Opening speech by Associate Professor Dr. Hajah Rasidah Mahdi, Deputy Rector, UiTM Sarawak



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