



UNIVERSITI
TEKNOLOGI
MARA

CELEBRATING
COMMERCIALISATION
YEAR 2014

iiindex 2014

AN INTERNATIONAL EXPOSITION ON RESEARCH AND INNOVATION

invention
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exposition 2014

INNOVATEUR
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2014

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MALAYSIA

*Bridging
the valley of death :
advancing the
commercialisation
of research*

RESEARCH BOOK

iiindex 2014

AN INTERNATIONAL EXPOSITION ON RESEARCH AND INNOVATION

invention innovation & design exposition 2014

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FOREWORD

The Honourable Minister of Science, Technology and Innovation (MOSTI) has launched 2014 as Malaysia Commercialisation Year 2014 (MCY2014) with the theme Science Technology and Innovation (STI) for Wealth Creation. In line with this theme, Invention, Innovation, Design & Exposition 2014 (iidex2014) is an annual exposition organized by UiTM and is the ultimate platform to highlight and commercialise new inventions and innovations. Researchers and inventors will exhibit their products which cater to the needs and wants of the community and the country.

The iidex2014 creates a new dimension by fusing two competitive concepts, a competition among innovative products and a competition to invite Innovateur Wannabes to perform live pitching of their products to the audience. The iidex2014 focuses on comprehensive commercialization and creating opportunities for entrepreneurs to carry out R&D as well as to provide avenue to commercialise their products. Through expositions such as iidex2014, MOSTI hopes to inculcate the culture of commercialisation of new technology designed and created by Malaysians.

I wish to congratulate all the participants of the iidex2014 and this is the opportunity for all researchers to show their ideas and exhibits their products and creativity. Apart from showcasing their products, innovators will have the opportunity to provide a window to the industry for business matching during the exposition.

Tan Sri Dato' Sri Sallehuddin Mohamed
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THE SPEEDY LINGO GAME- MASTERING SYNONYMS, ANTONYMS AND HOMONYMS IN A FLASH

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Homonyms, synonyms and antonyms are components in the English language that are recognized as lexical items. Part of the challenges teachers face in trying to impart the knowledge of these lexical items is the fact that these items are not so easily taught or learned. In fact, many argue that these items are not at all teachable, and best acquired through vast reading. This paper will highlight the possibility of using a simple game called Speedy Lingo in helping students remember some homonyms, synonyms and antonyms. Speedy Lingo is a computer game that requires two players in which Player 1 is required to place the variable of the word/he/she wishes to 'test' Player 2 on. Player 2 will then provide the answers to the questions put forth by player 1. A total of 150 primary school students in Years 3 and 4 as well as 60 students in Form 4 (secondary school) in the states of Selangor and Perlis were given Pre-tests and Post-tests on the use of Synonyms, Homonyms and Antonyms and the results have indicated that instructions which are delivered via games not only help reduce teacher talk/instruction and increase self directed learning but also aid greatly in quick memorization of synonyms, homonyms and antonyms of certain words.

PRACTICUM EVALUATION SYSTEM (PES)

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This project promotes green technology in assessing practicum students' performance at the same time to reduce printing cost and administrative cost of Faculty of Education UiTM. A program named Practicum Evaluation System (PES) is developed, using C++ Language, in order to achieve the goal. The program is well designed and user friendly to be used. Previously practicum supervisor need to fill in at least five different forms for each students and they have to calculate the total marks manually. With PES, supervisor just needs to enter students' practicum marks and let PES do the calculation and report printing. Besides, PES does provide email function where supervisor has the option to print the report or send e-report to coordinator. Indirectly, this promotes green technology. Nevertheless, PES can easily generate appointment letter to respective supervisor to save administrative cost.