

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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UNIVERSITI TEKNOLOGI MARA
MALAYSIA

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

RESEARCH BOOK

iiindex2014

AN INTERNATIONAL EXPOSITION ON RESEARCH AND INNOVATION

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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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EXAM'S REPORT AUTOMATION (ERA)

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This project is to generate report for all the subjects with final examination automatically. Examiners need to collect data including assessment mark, ongoing assessment marks and final examination mark to enter in the program, and then a full report with graph will be generated automatically. Unlike RES which only can compute result for one group of students, ERA has the capability to compute overall result for many groups of students. Therefore, we can see the overall performance for all students taking the same subjects. This program is written using Excel VBA and is well designed and is user friendly.

THE CONSULATE

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The Consulate is a product which was invented after we discovered that most of the students have difficulties in identifying materials that conduct electricity. This subtopic comes under the theme of investigating material in Science Curriculum Primary 4. This product consists of 2 model house which consist of many types of materials. By using the house as a model, the students will be able to learn better because these are the materials they encounter every day. The consulate was developed systematically using ADDIE model and has been tested in one of the primary school in Shah Alam. The feedback shows that the students were able to grasp the concept of electricity with the help of this house model. Positive responses were also received from the science teacher.