

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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PORTABLE JACKET

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Exercise is beneficial. One needs to exercise three times per week to be healthy. They need at least 30 minutes per session. It is good for people to use a jacket to keep their body warm or dry. This jacket enables the user to keep personal belongings such as mp3, telephone, card holder and so on while exercising. This jacket is created with the earphones attached to listen to music while doing their exercise. Furthermore, this jacket is waterproof. Hence it can be used in the water and their belongings kept in the compartments will be waterproof. This jacket can be used anytime. The features of this jacket are waterproof, light, convenient and easy to wash and dry, and it is not difficult to take care. This jacket is made so that the customer will be happy to wear it and feel comfortable in it.

GLOW IN THE DARK (GITD) EMERGENCY LANE

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Glow in the dark (GITD) is a new invention to be used in the emergency exit lane. Basically, the scientific name of GITD is "Phosphorescence". GITD is a set of unique designs about human safety and the security of their belonging during any occurrences especially blackout at the workplace. The aim of this study is to help the individual and organization to get a better understanding of GITD and how to apply it appropriately at their workplace. The objective of this design is to help the organization to minimize accidents among the employees during the production process because when the organizations create an accident free environment, it will improve the motivation and discipline among the employees. This design will give clear directions to the employees towards emergency exit. Furthermore, this design also helps them to prevent injuries or accidents while going through the emergency exit. This shows that, this design is focussed more on the safety. The benefits are numerous: First, cost saving. The organization does not need a lot of money to apply this design at the workplace because the cost for building this design is not too expensive and affordable. Secondly, it's easy to be used by all the members in the organizations. This is because it is easy to formulate the implementation and evaluate this design and it saves time. In conclusion, this design is very useful as it provides a safe environment.