

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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GBI TOOLS FOR INTERIORS - SUSTAINABLE PLANNING & MANAGEMENT

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The current GBI Assessment Tools in Malaysia are mostly devised to evaluate the environmental impacts of built project without emphasizing more on the impacts of the interior design element aspect on the end user who experience and occupy them. There are two significant reasons; there is no assessment tools specifically designed for an interior design projects. Hence, a new framework for developing GBI assessments criteria and methods are in need to ensure that green and sustainable interiors will reduce environmental impacts while being design-effective and socially responsive. The research is also parallel with the directions set by Malaysian Green Building Confederation (MGBC) and Malaysian Institute of Interior Designers (MIID). In recent MIID Councils Meeting, the agenda in greening the interior project in Malaysia has become one of the main objectives of the Institutions. MIID also has appointed two Council Members collaboratively with MGBC in establishing the GBI criteria and tools for interior project in Malaysia. Besides, the outcome of this research could be highly potential contribution of new GBI rating method for Malaysia. It is also significant and could be replicated for formulating similar indicating frameworks for other countries. The outcome of this research also provides extended theoretical significance to the field of study by filling the gap in GBI assessments framework which specifically addresses an interior design project. The significance of sustainable design in contemporary spaces or interiors is definitely unquestionable in justifying the present environmental plight that the whole humanity and world are confronting now. Designing an interior space with sustainability factors in a piece of mind is an inevitable. Every designer should definitely play a role in moving towards a more sustainable design for future generations. The lack of specifically designated Green Building Management Systems for Interior Design project in Malaysia is the basis of the research.