



UNIVERSITI
TEKNOLOGI
MARA

CELEBRATING
COMMERCIALISATION
YEAR 2014

iiindex 2014

AN INTERNATIONAL EXPOSITION ON RESEARCH AND INNOVATION

**invention
innovation
& design
exposition 2014**

INNOVATEUR
wannabe!
2014

**27th - 30th
APRIL 2014**
DEWAN AGUNG TUANKU CANSELOR (DATC)
UNIVERSITI TEKNOLOGI MARA
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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CATUR PILIHAN

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CATUR PILIHAN is a board game. Unlike any other board game, the objective of this game is to educate and motivate people in enhancing their own potential to be a better person. Not only that, it can also help in the development processes of children, teenagers and adults. It is an educational and motivational tool for anyone who plays this game. As for parents and teachers, this game can serve as a teaching tool for their kids and students to teach them in making a good choice. The game uses MERIT POINT SYSTEM (MPS) as an indicator for the players on how well they are doing throughout their life on the game. Throughout the game, players will have to make essential choices as if they were in real life. Each choice will have consequences and they will determine the players' future. It can be a reward, punishment or a mix of both. The final winner will be based on MPS. It has 3 stages represented by 3 lanes namely KIDS, TEENAGER and ADULT to resemble a person's life stage in reality. On each of these stages, the situations, activities and options will be based on the reality of each stage. The complexity of the situations will be the lowest on Kids stage, higher on Teenager stage and highest on Adult stage. The rewards and penalties are different across the stages. By using this approach, players will be taught subconsciously the need to make a good decision or action for they know that it will get back to them eventually. We include the ATTRIBUTE SYSTEM to represent a person's developmental process. During the game, players will acquire attribute points. Each player can choose which attribute they want to focus or increase. Based on these attributes points, it will determine whether players can successfully perform activities from the Activity Card or not. Another unique element in this game is the FAVOUR SYSTEM. The game encourages players to help other players when they face a challenge. By helping other players, a player will be rewarded accordingly. But to do that, a player need to have the ability to help others, which is the Favour Card. This card resembles a person's ability to help other people in reality. To make the game more interesting, there is a set of rules that need to be followed. Players may also add or alter the rules to make the game even more challenging. In short, this game will be another great innovation of a board game. Players will be encouraged and motivated in performing good deeds. Others can use it as teaching tools for children's development while some may see it as reminders of the need to be a better person.