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TEKNOLOGI
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2024



International Industrial Revolution 4.0 Exposition

"INNOVATING IDEAS, TRANSPIRING DREAMS"

ABSTRACT BOOK

Strategic Partners:



Perpustakaan
Sultan Badlishah

Organized By:

**COLLEGE OF COMPUTING, INFORMATICS AND MATHEMATICS,
UNIVERSITI TEKNOLOGI MARA, KEDAH BRANCH**

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UITM Cawangan Kedah Channel

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Copy Editors: Mohd Zhafri Mohd Zukhi
Shahida Farhan Zakaria
Norin Rahayu Shamsuddin
Nor Athirah Mohd Zin
Khairul Adilah Ahmad

Cover Design: Syahrini Shawalludin
Jasmin Ilyani Ahmad

IREx 2024

The successful inauguration of IR4.0 Exposition IREx 2019 has witnessed ground breaking initiatives, ideas, and innovations materialised into numerous practical devices today. Treading on the same triumph, the College of Computing, Informatics, and Mathematics, UiTM Kedah is thrilled to announce the continuation of said event, IREx 2024 with the theme: *Innovating Ideas, Transpiring Dreams*.

The IREx 2024 aspires to incorporate even more exciting new technologies including, but not limited to, Information & Communication Technology (ICT), Educational Technology & Innovation (ED), Operational Excellence (OE), Internet of Things (IoT), Process Improvement, Ideas & Design, Multimedia, and Electronics that will chart new milestones in human history. This will serve as an excellent platform for scientists and innovators alike to meet the like-minded individuals and showcase inspiring ideas and notable innovations.

PROGRAM SCHEDULE

International Industrial Revolution 4.0 Exposition (IREx 2024)
21ST May 2024 (Tuesday)
Dewan Perdana, UiTM Kedah Branch

TIME	EVENT
8.00 – 9.00 am	Registration & Booth Set Up
9.00 am – 12.00 pm	Exhibition & Judging Session
12.00 pm – 2.00 pm	Obedient Drone Session & Break
2.00 pm – 5.00 pm	Official Closing & Prize Giving Ceremony
5.00 pm	Program Ends

Official Closing Ceremony

International Industrial Revolution 4.0 Exposition (IREx 2024)

TIME	EVENT
2.00 pm	Arrival of Guests and Participants
2.30 pm	Arrival of VVIP
	National anthem - Negaraku And Wawasan Setia Warga
2.40 pm	UiTM
	Welcoming Speech
3.00 pm	Rector's Welcoming Speech
	Officiating Speech
3.10 pm	Gimmick & Montage presentation
3.30 pm	Prize Giving Ceremony
4.00 pm	Photography
5.00 pm	Program Ends

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CATEGORY C

MEDICAL BRAIN TEASERS

Puteri Balqis binti Affizal¹

¹*Universiti Kuala Lumpur, Royal College of Medicine Perak, 30450,*

Ipoh, Perak.

[¹lpbqisdr@gmail.com](mailto:lpbqisdr@gmail.com).

ABSTRACT - The creation of the Medical Brain Teasers arose from the recognition of students' struggles in grasping complex terminologies, particularly in medicine subjects, such as human biology, anatomy, basic genetics, and much more. The primary aim of this innovative product is to boost students' memorization and retention of challenging concepts and terminologies by merging elements of the classic board game with the cerebral stimulation of a crossword puzzle. This board game combines a physical board game and a digital crossword puzzle. The questions are generated from QR codes. Medical Brain Teasers has potential commercialization from lecturers' perspective because the questions are online generated and can be authored and customized easily. Medical Brain Teasers fosters not only academic growth but also enhances psychomotor skills, communication skills, and soft skills that are increasingly fading among this technological generation. Moreover, Medical Brain Teasers as an educational tool comes in handy and user-friendly. As the size is just as small as a notebook and noticeably lightweight, this board game can be carried everywhere. Additionally, the equipment needed are the board game, a few tokens, and QR scanner to scan the questionnaire. It is suitable for all levels of medical students as an educational tool in tutorial sessions and revision sessions among students.

Keywords: medical, board game, crossword puzzle



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