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MAY
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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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 D

STUDENTS' COMPREHENSIVE ONLINE EXERCISES (SCORE)

Shahida Farhan Zakaria¹, Afida Ahmad², Suhardi Hamid³, Liana Najib⁴, Nor Athirah Mohd Zin⁵, Siti Nur Alwani Salleh⁶, Ahmad Afif Ahmarofi⁷

^{1,2,3,4,5,6,7}*College of Computing, Informatics and Mathematics,*

Universiti Teknologi MARA Cawangan Kedah,

Kampus Sungai Petani, 08400 Merbok, Kedah.

shahidafarhan@uitm.edu.my

ABSTRACT - Online learning or e-learning is increasingly being used in education nowadays. E-learning is implemented through electronic media to diversify learning methods to facilitate the delivery of distance learning, online learning or blended learning. Conventional learning methods using notebooks and pens have shifted to more sophisticated technological tools such as laptops, mobile devices and other software applications. In line with the Malaysia Education Blueprint 2015-2025 (Higher Education) which emphasizes digital literacy as a 21st century learning skill, the Students Comprehensive Online Exercises (SCORE) system has been developed. SCORE innovation is a digital online learning system specially built for Business Mathematics (MAT112) course to facilitate students to access additional resources of exercises that are more interactive for them to review lessons anywhere and anytime. SCORE was designed using XAMPP that comprises of reliable technologies for Apache web server, MySQL database, and PHP scripting language with the help of a free GPL text editor, Notepad++, for coding. The system is molded to strictly follow the syllabus and generate various questions and answers easily and systematically. This application of online learning methods encourages students to adapt to the technology available today.

Keywords: e-learning, online learning system, mathematics.



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