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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

KMC-i APPOINTMENT

Zanariah Binti Idrus¹, Farhah Amani Binti Junaidi², Imtiyaz Binti Mohamad Ribti³, Nurin Maisarah Binti Nor Azwan⁴, Nurnadzirah Mohd Nazri Binti Abdul Haqq⁵, Ab Razak Bin Mansor⁶

^{1,2,3,4,5} *College of Computing, Informatics and Mathematics,
Universiti Teknologi MARA Cawangan Kedah*

¹zanaidrus@uitm.edu.my

²2022619864@student.uitm.edu.my

³2022454766@student.uitm.edu.my

⁴2022473446@student.uitm.edu.my

⁵2022472276@student.uitm.edu.my

⁶arazman@uitm.edu.my

ABSTRACT - Kedah Medical Centre (KMC) is a one-stop private specialist hospital offering comprehensive medical care for individuals seeking treatment, fostering an environment of healing and comfort. A new online system is required as currently, patients must physically visit the hospital to make an appointment which may be burdensome. In addition, the counter service only operates during office hours. Thus, KMC-I Appointment aims to streamline appointment booking at (KMC) by transitioning from a manual to a user-friendly web-based platform and accessible using a QR code. Patients can access the KMC website and patients can seamlessly schedule appointments with their preferred doctors across various departments. This innovative system not only enhances convenience but also mitigates the need for physical visits, reducing patient burden and improving overall efficiency. Through the website, patients are allowed to select their desired department and doctor, based on availability and personal preferences. Admins play a pivotal role in maintaining doctor schedules and ensuring smooth appointment management. By updating the system regularly, admins guarantee accurate information and timely confirmations. This transformative approach addresses several challenges inherent in the current system, including miscommunications, long wait times, and privacy concerns. The appointment system offers a user-friendly interface, enhancing patient experience while streamlining administrative processes. Moreover, it provides a secure environment for sensitive patient data, safeguarding confidentiality and instilling trust in KMC's commitment to patient welfare.

Keywords: Hospital, Appointment, Booking, Patient



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