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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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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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IRX068	PRO CROSS-MATH CHALLENGE	4
IRX082	MULTIPURPOSE SOAP	5
IRX083	PUFFER FISH BOAT	6
IRX092	MY GAMES ACADEMIA	7
IRX095	'ROBOCRAB' PEMBERSIH SAMPAH	8
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CATEGORY A

SMART PARKING LOT

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ABSTRAK - Smart Parking Lot dicipta untuk membantu masyarakat menangani masalah kesesakan tempat letak kenderaan yang kerap berlaku di kawasan bandar, tempat-tempat awam, jabatan-jabatan kerajaan, pasar raya dan sebagainya.. Ia diilhamkan kerana masalah tempat meletakkan kenderaan yang agak terhad dan sempit menyebabkan pengguna kenderaan sukar meletakkan kenderaan di tempat yang selamat. Pemandu kenderaan terpaksa menggunakan masa yang lama untuk meletakkan kenderaan masing-masing. Smart Parking Lot dapat mengesan tapak kenderaan yang ada dan membolehkan pengguna tahu kekosongan tempat letak kenderaan yang boleh diisi. Smart Parking Lot juga dapat membantu pengguna menjimatkan masa dan tenaga . Selain itu, ia juga dapat menjimatkan ruang kawasan tempat letak kenderaan, kerana Smart Parking Lot dapat mengesan tempat letak kenderaan samada penuh atau sebaliknya dengan pantas. Hanya menggunakan sensor masalah pengguna akan dapat diselesaikan. Di samping itu, paparan di komputer dapat membantu pengguna-pengguna melihat dengan jelas dan tepat tempat letak kenderaan yang masih ada, sebelum mereka membuat pembayaran menggunakan kad pengesanan yang disediakan. Seterusnya dengan terciptanya Smart Parking Lot ini diharap rakyat Malaysia akan dapat menggunakan kemudahan ini dengan sebaiknya dan kadar kemalangan di tempat letak kereta juga dapat dikurangkan.. Semoga penggunaan pengesanan tempat letak kenderaan secara elektronik dapat memberi manfaat kepada pengguna-pengguna kenderaan khususnya yang menaiki kenderaan sendiri.

Kata Kunci: membantu, kenderaan, pengguna



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