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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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UITM Cawangan Kedah Channel

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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

CATEGORY A

IRX025	ARABIC GAME BOARD	2
IRX036	TAKRAW KICK DEVICE-MENINGKATKAN KEMAHIRAN SEPAKAN TAKRAW DI KALANGAN MURID SEKOLAH RENDAH	3
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
IRX096	TG-ELMH V2 (TITI GAJAH-ENTER LAMP MERAH HIJAU VERSION 2)	9
IRX103	TANDAS PINTAR	10
IRX117	MESTO	11
IRX118	SMART PARKING LOT	12
IRX121	INOVASI BAHAN BANTU MENGAJAR (MIKROPENGAWAL DAN PENGATURCARAAN)	13
IRX126	PORTABLE WATER FILTER (POWFiL)	14
IRX128	INOVASI GEODETECTOR:SISTEM PINTAR PENGESAN BENCANA ALAM	15
IRX129	INOVASI RUHGUARD: SISTEM PINTAR PENGESAN KESELAMATAN DI PADANG SEKOLAH	16

CATEGORY B

IRX006	INNOVATIVE QUALITY ASSESSMENT SYSTEM IN CONSTRUCTION (QLASSIC) EQUIPMENT: SSTL PRO	18
IRX007	INDUSTRIAL BUILDING SYSTEM (IBS) : KENAF FIBER CONCRETE PANEL	19
IRX008	SAFETY PRECAUTIONS APPLIED TO A BRICK CUTTING MACHINE: ARDUINO SYSTEM, SECURITY SENSOR AND INTERNET OF THINGS (IoT)	20
IRX011	THE IDIOMS BOARD GAME	21
IRX013	ECO FRIENDLY TILES	22
IRX017	AUTOMATIC SYSTEM OF HEALTH TRACKER (ASTHRA)	23
IRX018	AEROCHARGE-DRIVE (EXTRACTING WASTE ENERGY TO USEFUL ENERGY)	24
IRX019	STAR e-FUTURE	25
IRX020	REVOLUTIONIZING MOBILITY: EASY COMPACT CHAIRCANE (E3C)	26
IRX021	SCOFT: A CULTURED DRINK	27
IRX026	AUTOMATED FERTIGATION SYSTEM V2 (AFS V2)	28
IRX027	ALTERNATIVE CHICKEN FEED FROM COCONUT DREGS	29
IRX031	SMART COUNTER	30
IRX032	DIGITAL SIT AND REACH TOOL	31
IRX033	FINGERPRINT DOOR LOCK	32
IRX034	HEART BEAT SENSOR	33
IRX035	PEMBANGUNAN DRON AIR UNTUK SISA DI SUNGAI ATAU LAUT	34
IRX042	BEEZYBIN	35
IRX043	SMART FARM	36
IRX052	SAFETY EXTENSION	37
IRX053	VISTRAP	38
IRX054	QUICKSTRIPS	39
IRX056	UTILIZING ALEXNET CNN FOR ENHANCED DIAGNOSTIC ACCURACY IN CONJUNCTIVITIS DETECTION	40
IRX057	AI-POWERED SCURVY DETECTION : BRIDGING HEALTHCARE DISPARITIES IN RURAL SETTINGS	41
IRX061	KAWASAKI DISEASE AND HFMD EARLY SCREENING SYSTEM BASED ON SKIN IMAGES AND ALEXNET CONVOLUTIONAL NEURAL NETWORK	42
IRX062	ADVANCING MICROPLASTIC DETECTION IN WATER SYSTEMS USING SEM IMAGING AND AI ANALYSIS	43
IRX063	CAR SAFETY REMAINDER v2	44
IRX072	AR PUTRA: VIRTUAL TOURISM EXPERIENCES THROUGH AUGMENTED REALITY	45
IRX078	SOLAR POWERED AIR CONDITIONING UNIT (GREEN ENERGY)	46
IRX079	i-IGCSE STEM	47
IRX084	ARDUINO ENHANCED RADIATOR'S COOLANT LEVEL SENSOR SENSORAD	48

CATEGORY B

AR PUTRA: VIRTUAL TOURISM EXPERIENCES THROUGH AUGMENTED REALITY

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ABSTRACT - Tourism is rapidly becoming one of the focused sectors that greatly contributes to a country's economy. In conjunction of pandemic that have led to a dramatic fall in our country's economy, tourism affected more. AR PUTRA can help promoting the tourism industry to local and foreign tourists by utilizing the advancement in Augmented Reality (AR) technology specifically in Perlis in conjunction of "Visit PERLIS (TMP) 2024 – 2025" and responding to "Perlis GO DIGITAL". AR features are built with a combination of multimedia elements to enhance user experience in exploring tourism places of interest using AR technology. It was developed using platform called MyWebAR platform by DEVAR to blend the physical world and the digital world. It is a cloud-based platform that allows users to create and share AR experiences through QR codes. Features included in the platform are information displayed on places of interest, video and audio tour, directions to the location, and surrounding attractions. This project gives a hand to tourists to explore Perlis's beauty in a convenient way. The presence of AR paves the way for more interactive and user-prioritized environments for tourists. In conclusion, AR PUTRA helps tourists to experience visiting interesting places around Perlis unlike any others

Keywords: Tourism, AR, MyWebAR, Cloud-based Platform.



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