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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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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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IRX103	TANDAS PINTAR	10
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CATEGORY B

QUICKSTRIPS

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ABSTRACT - Emergency rations are items of food and drink that a person stores and relies on in case of an emergency. In status quo, emergency rations take a long time to prepare and are difficult to store in abundance whilst also adding weight to the carriage. These are the problems that our innovation, *QuickStrips* is able to solve. As well as being a product that has daily life applications, *QuickStrips* is a multipurpose product that can be applied in a plethora of situations. But first, what is *QuickStrips*? *QuickStrips* is an innovation the result of Suhayl, Luth and Taufiq's collective ideas in their goal to create a better alternative to rations. Nevertheless, *QuickStrips* is not only a better alternative to rations but much, much more. *QuickStrips* is a strip of a dried mixture of ingredients including but not limited to; fruits and vegetables. *QuickStrips* is a simple to make, using mostly around-the-house ingredients and does not require constant attention throughout the dehydration process. We have designed it this way so that even the average Joe is able to create these nutrition-packed strips to use in his daily life. The creation process of *QuickStrips* has been heavily tuned from requiring 16 hours in a dehydrator we have managed to cut that time by 4 hours through strategic spreading and placement of the mixture onto the silicon mat. And thus, lo and behold an efficient, easy-to-make, nutrition-packed and light strip can be created within the confines of a single household.

Keywords: Emergency rations, multipurpose, nutrition



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