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UiTM SEBUAH UNIVERSITI

UNIVERSITI TEKNOLOGI MARA

20 & 21 MAY 2024

IRAX

International Industrial Revolution 4.0 Exposition

"INNOVATING IDEAS, TRANSPIRING DREAMS"

ABSTRACT BOOK

Strategic Partners:

UST

Perpustakaan Sultan Badlishah
UNIVERSITI TEKNOLOGI MARA

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 practival 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
2.40 pm	National anthem - Negaraku And Wawasan Setia Warga UiTM
3.00 pm	Welcoming Speech Rector's Welcoming Speech
3.10 pm	Officiating Speech Gimmick & Montage presentation
3.30 pm	Prize Giving Ceremony
4.00 pm	Photography
5.00 pm	Program Ends

CATEGORY C

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MyPredictC: COVID-19 PREDICTION

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ABSTRACT – Initially, from 2020 to 2023, Malaysia experienced multiple waves of COVID-19, with clusters playing a significant role in transmission dynamics. These clusters are crucial for public health, as their characteristics and management significantly impact outbreak control. Unfortunately, existing research in the region often focuses on national-level data, neglecting the insights hidden within cluster-level analysis. MyPredictC aims to bridge this gap by comprehensively analyzing COVID-19 clusters in Malaysia from 2020 to 2023. The process starts with identifying high-risk areas, analyzing the trend of COVID-19 clusters and the active time of each cluster, and monitoring the total cases of COVID-19 in each cluster. Ultimately, seeking to generate evidence-based recommendations for targeted interventions and resource allocation, contributing to a more efficient and effective public health response. The key findings anticipate revealing distinct cluster trends in terms of size, duration, and location, highlighting the importance of a dynamic and location-specific approach to outbreak control. This knowledge contributes to the prediction of COVID-19 and ultimately benefits the community, empowering policymakers, healthcare professionals, and local communities to tailor their efforts to mitigate future waves and reduce the burden of COVID-19 in Malaysia. By bridging the gap in research and focusing on the granular level of clusters, MyPredictC aspires to pave the way for a more data-driven and localized approach to pandemic management, not only in Malaysia but also across the globe.

Keywords: Covid-19, Prediction, Clusters, Analyze, Public health

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