

## Faculty of Information & Communication Technology

### Jabil-FICT FYP Competition (**HYBRID**)

#### (27<sup>th</sup> April 2022, Wednesday)

Nomination and pre-selection: The projects will be nominated by the supervisors. The students are required to register through FICT FYP portal (<https://fict.utar.edu.my/FYP/main.php>). The pre-selection can be performed by FICT and/or with Jabil. Only the selected projects will be entered to this competition.

#### **Programme (FICT Lab/Online through Zoom)**

Time	Activity	Venue	Remark
12:30 pm – 1:30 pm	Candidate - Set-up Project Demo	Hybrid	Students setup at home
1:30 pm – 4:30 pm	Panel Interview (each student 5 minutes)	Hybrid	Students, judges and committee
4:30 pm – 4:45 pm	Short break		
4:45 pm – 5:15 pm	Panel Discussion	Hybrid	Judges and committee
5:15 pm	Announcement of Award Winners and Group Photo	Hybrid	All

#### **Information/Responsibilities/Contact:**

**Judge Panel:** 5 lecturers from FICT (IB - Puan Siti Hajar; IA - Dr. Nur Syadhila; CS - Dr. Ku Chin Soon; CN - Puan Nor 'Afifah; CT - Mr. Lee Heng Yew)

**Industry Judge Panel:** 2 or 3 representatives from Jabil (to be determined)

<b>Chairperson</b>	Goh HG		
<b>Calculate Marks</b>	WongCS (CS) (lead)	<b>Certificate / Inform students</b>	Ku CS
<b>Photo Taking / Zoom Host</b>	Deveendra	<b>Logistics</b>	Ooi CY
<b>Prizes</b>	Goh HG	<b>Emcee</b>	Suthashini
<b>Compilation of Reports and Posters</b>	Tan LY	<b>Compilation of Nomination</b>	Tan LY



## **Winners**

### **First Prize (RM600):**

Jacynth Tham Ming Quan, Real-Time Face Recognition Mobile Application For Class Attendance

### **Second Prize (RM300):**

Ng Jan Hui, Contactless Palmprint Verification Using Siamese Networks

### **Third Prize (RM150 each):**

Britney Muk Yuen Kuan, Vandalism Video Analysis Employing Computer Vision Technique

Khor Tsu Ming, Pets location mobile tracking application using Kalman Algorithm

## **Shortlisted Projects for Presentation:**

1. ANG WEI HANG, Model predictive control of air-conditioning system for electric vehicles
2. Britney Muk Yuen Kuan, Vandalism Video Analysis Employing Computer Vision Technique
3. CHONG WEI FENG, Multicast Group Key Management on the Internet of Medical Things using Zero Knowledge Protocol
4. CHOONG JUN MUN, LIBRARY SEAT AND BOOK AVAILABILITY CHECKING USING MOBILE APPLICATION
5. Darshan A/L Suresh, Brain Tumor Image Segmentation using Deep Learning Approach
6. FOO WEN SHUN, Fighting video analysis employing computer vision technique
7. Jacynth Tham Ming Quan, Real-Time Face Recognition Mobile Application For Class Attendance
8. KEW WEI CHIAN, Zero Trust Networks Establishment Through Software-Defined Networking
9. Khor Tsu Ming, Pets location mobile tracking application using Kalman Algorithm
10. Liew Yi Kei, Chatbot – Beauty Skin Care Products Recommendations
11. Lim Hui Ying, AR Learning Application of Parts of Human Digestive System Based on 3D Reconstruction of CT Images
12. LIM JUN WEI, A WEB-BASED HEALTH TRACKING SYSTEM FOR FAMILIES AND CLOSE FRIENDS
13. Ng Che Qin, AR APPLICATION FOR UPPER PARTS OF DIGESTIVE SYSTEM ANATOMY LEARNING USING 3D RECONSTRUCTION OF MEDICAL IMAGE
14. Ng Jan Hui, Contactless Palmprint Verification Using Siamese Networks
15. Seah Ni Xuan, Wireless Predictive Text Entry System for the Handicapped
16. Tan Jing Jie, Real-time Face Recognition Social Enhancement for Visually Impaired People
17. Tan Li Xue, Financial Trading Using Learning-based Approach



18. Tan Wei Mun, Live Facial Expression Recognition
19. Yew Jei Wey, 3D Reconstruction of Large intestines based on medical images for Anatomy Learning using AR
20. Yew Wei Hong, An Interactive Serious Game for Dementia Prevention