UMPSA x HUAWEI AppGallery
MOBILE APP COMPETITION 2024

ASTAKA HALL, Faculty of Computing
Universiti Malaysia Pahang Al-Sultan Abdullah
(UMPSA) Pekan Campus

20 NOVEMBER 2024

GREETINGS

Dean, Faculty of Computing

Universiti Malaysia Pahang Al-Sultan Abdullah

Bismillahirrahmanirahim,

Assalamualaikum warahmatullahi wabarakatuh, alhamdulillah, with the utmost gratitude to Allah, we are blessed to successfully organize the UMPSA X Huawei AppGallery Mobile App Competition 2024 (UXHMAC 2024), in collaboration with Huawei AppGallery and Malaysia Digital Economy Corporation (MDEC).

Our heartfelt thanks go to the Faculty of Computing lecturers and students for their dedication, as well as to **Huawei AppGallery**, **MDEC**, and the **MDEC Premier Digital Tech Institutions (PDTI)** for their unwavering support. Your collective efforts have been instrumental in making this event a success.

This competition serves as a platform to unearth young talents, expand technical knowledge, and provide students with valuable industry exposure, preparing them for a competitive job market. We hope this program continues to inspire innovation in mobile application development and strengthens collaborations between academia and industry, empowering students to excel locally and globally.

This is just the beginning of many impactful initiatives supporting the vision of the Fourth Industrial Revolution. Thank you, and may we continue to achieve greater heights together, InsyaAllah.

ASSOCIATE PROFESSOR TS. DR. ADZHAR BIN KAMALUDIN
Dean, Faculty of Computing
Universiti Malaysia Pahang Al-Sultan Abdullah

GREETINGS

UXHMAC Chairman

Universiti Malaysia Pahang Al-Sultan Abdullah

Greetings,

Welcome to the **UMPSA X HUAWEI AppGallery Mobile App Competition 2024**. This year marks the third installment of our collaboration with **Huawei AppGallery** and **MDEC**, and we extend our heartfelt gratitude to them for their continued support. Special thanks also go to the lecturers, students, and steering committee from the Faculty of Computing, the top management and staff from MDEC and Huawei AppGallery, and all participants from over 16 Institutes of Higher Learning (IHLs) across Malaysia for their dedication in making this event a success.

The theme of UXHMAC 2024, *"Smart Mobile App with Huawei Mobile Services (HMS) for a Sustainable Future,"* underscores the critical role of technology in addressing global challenges. This initiative inspires students to integrate innovation and sustainability, incorporating Artificial Intelligence (AI) to create solutions that contribute to a greener, smarter future. Since 2022, this competition has achieved remarkable milestones, including the onboarding of over 80 mobile applications to the Huawei AppGallery platform. It continues to provide students with an invaluable platform to showcase their talents, refine their technical skills, and gain essential industry exposure. We believe that initiatives like this not only nurture young talent but also strengthen collaborations between academia and industry, paving the way for transformative advancements in mobile application development.

Thank you, and I wish all participants success in this exciting journey of innovation and excellence.

TS. DR. HOH WEI SIANG
UXHMAC Chairman
Universiti Malaysia Pahang Al-Sultan Abdullah

Tentative

8.30 a.m. - 9.00 a.m.   :   Registration & Breakfast

9.30 a.m. - 1.30 p.m.   :   Showcase

- Track A: Innovation Idea Pitching Presentation
- Track B: Top 10 Mobile Application Huawei
- Application Demo and Final Evaluation

1.30 p.m. - 3.00 p.m.   :   Lunch Break

3.00 p.m. - 3.10 p.m.   :   Arrival of guests of honor and faculty management

3.10 p.m. - 3.15 p.m.   :   Doa recital

3.15 p.m. - 3.35 p.m.   :   Montage Presentation

3.35 p.m. - 3.45 p.m.   :   Speech Session

3.45 p.m. - 3.55 p.m.   :   Speech Session

3.55 p.m. - 4.05 p.m.   :   Officiating Speech by Dean, Faculty of Computing UMPSA

4.05 p.m. - 4.15 p.m.   :   Presentation of Prizes

4.15 p.m. – 4.30 p.m.   :   Photo Session

4.30 p.m. - 5.00 p.m.   :   End of Session and Evening Refreshment
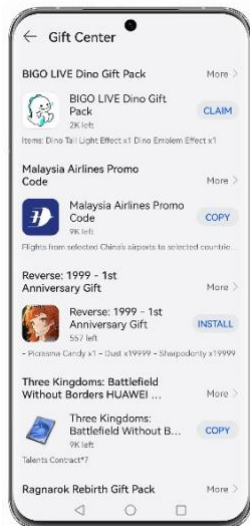
AppGallery

Where Inspiration Lives

HUAWEI AppGallery is the official app distribution platform for Android and HUAWEI devices, boasting a collection of 18 app categories featuring premium content curated globally. It makes sure apps can be used seamlessly across smart devices in all scenarios anywhere and anytime, without compromising on security.

Scan to Download HUAWEI AppGallery today!

Explore Exclusivity
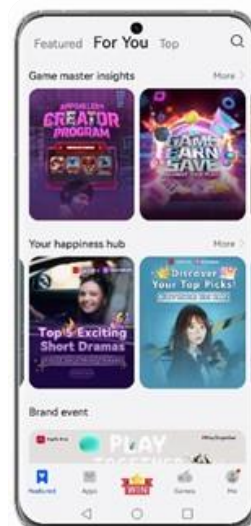
Local exclusives for AppGallery users.

**Gift
Center**

**Local Events with
Prizes**

**Exciting
Promotions**

**Exclusive and
Special Content**

Explore Safely

➢ 360° Protection: Rock-solid protection for downloads and use.
➢ Data Privacy: Certified by international standards.
➢ Child-rated Content: Open children up to a digital world with a peace of mind.

Explore Selections

➢ App recommendations based on your location and interests.
➢ Expertly curated selections bringing you the trendiest of apps.

Co-sponsors

HUAWEI AppGallery

MDEC™

Track A

UCTATI: IPURA

Project Title: Critter cue

Critter Cue keeps pet care simple and stress-free. With automated reminders and a handy calendar, you'll never miss a feeding, grooming, or vet visit—leaving more time for you and your pet to enjoy together.

Team Members	
1.	NUR AISYAH MARDHIYYAH BINTI NORASMADI
2.	PUTRI ADHRIANA BINTI MOHD SAHIDAN
3.	AHMAD RAHIMI BIN MOHLIS

UMPSA: Cybersphere Solution

Project Title: Dietmate (Your Diabetes Management Partner)

AI-powered personalized meal plans featuring local Malaysian cuisine, tailored to individual health goals, cultural preferences, and nutritional requirements.

Team Members	
1.	KAMALESHWAHRRAN A/L NAIDU
2.	MOHAMMAD IZZAT ANIS BIN EUSOFF
3.	IK SHIM A/P EH FHOT

UCSI: Qf Team

Project Title: Evelert

Evelert is a smart safety assistant app designed for women, utilizing AI and HMS toolkits for real-time protection.

Team Members	
1.	LEE QING FANG

USIM: LAMAN

Project Title: Al-Driven Methane and Leachate Monitoring Application for Sustainable Landfill Management (LAMAN)

The app monitors leachate levels to manually activate or deactivate pumps and uses historical data to predict maintenance schedules, ensuring timely preventive alerts to avoid system breakdowns.

Team Members	
1.	LIN NAJLA BINTI NAMAZI
2.	NIK NUR NAJWA ASY-SYIFAAQ BINTI NIK MOHD TAJUDDIN

UNITEN: AstraX

Project Title: EcoKawKaw

EcoKawKaw aims to connect Malaysians with nearby recycling facilities, raise recycling awareness, and reward sustainable actions.

Team Members	
1.	MUHAMMAD SYAFI IMRAN BIN YAHYA
2.	ISKANDAR HAKIM BIN BURHANUDDIN
3.	DEVENDRAN A/L PATHAMANATHAN

UKM: Solo Cycle

Project Title: ReValue:Al-Powered Recycling & Second-Hand Exchange Platform

ReValue leverages AI-powered item recognition to help users quickly determine if an item is recyclable. By scanning the item with their smartphone, users receive instant feedback on its recyclability. The app categorizes the item (e.g., paper, plastic) and recommends the nearest recycling center that accepts it. Users can access detailed information about each center, such as address, opening hours, contact details, and accepted materials, along with interactive map directions.

Team Members	
1.	KHOR YI QIAN

UTHM: Blitzen

Project Title: VitaSync:Vital Nutrition

An intelligent wellness companion that seamlessly integrates food management and nutritional tracking to promote healthier lifestyles. By combining smart calorie monitoring, efficient grocery management, and personalized meal recommendations, our app helps users make informed decisions about their nutrition while reducing food waste and simplifying meal planning.

Team Members	
1.	AHMAD ZAFRAN BIN MOHAMAD TAJUDIN
2.	ZULHAFIF BIN ZULKIFLE
3.	NABIL NUR HAKIMI BIN ABDUL RASID

UTM: Bits N Bytes

Project Title: Dengue Defenders

Dengue Defenders leverages cutting-edge AI and augmented reality, powered by Huawei's HMS Toolkits, to empower communities in the fight against dengue fever. By combining real-time hotspot mapping, AI-driven breeding site detection, and gamified educational tools, the app fosters proactive participation and awareness among users. Beyond tackling a critical public health issue, Dengue Defenders supports the Sustainable Development Goals by promoting health, community collaboration, and quality education. Together, we can drive meaningful change and build safer, mosquito-free communities worldwide.

Team Members	
1.	ABDULLAH NAFIS
2.	IFTEKHAR UDDIN AHMED
3.	MARIAM HANIF

UMPSA: Wow Innovations

Project Title: WOW MATH For Dyscalculia

WOW MATH For Dyscalculia an ai-powered mobile app designed to help students with Dyscalculia overcome challenges in learning math.

Team Members	
1.	NURUL HANANI BINTI JAMAL
2.	NUR FATIHAH NAJWA BINTI ABDUL RAZAK
3.	NUR DIYANA BINTI ABU BAKAR

POLITEKNIK: Tri-Matrix

Project Title: Greencity Explorer: Interactive AR city tour using Mobile App

Interactive AR city tour using Mobile App is an Educational City Tours app offers AR - based educational content at points of interest, including historical landmarks, sustainable infrastructure, and cultural sites.

Team Members	
1.	AIN NAZIRA AWANG MOS BINTI MOHD RIDZUAN
2.	NURISHA FATIHAH BINTI MOHAMAD OSMAN
3.	NURUL ALWANI BINTI HAZEMI

Track B

Sunway College Kl: Half The Way

Project Title: Healthcare apps (CareSpace)

Our app fills this gap, combining a community support platform with an AI assistant for symptom guidance, so users feel more informed and supported in their health journeys

Team Members	
3.	KEE YUNG SHEN
4.	LIM HONG JIE
5.	LUI QIU YANG

MMU: Human Intelligence

Project Title: MindMate

MindMate is a mental health companion app that offers accessible support through an AI Counselor Chatbot, a calming Bedtime Story Player, and an AI Emotion Detector for journaling.

Team Members	
1.	SUMEDHA ENDAR
2.	YEONG JIEN WEI
3.	WONG ZHI LIN

UKM: EduTradeHub

Project Title: EduTradeHub

EduTradeHub connects students, mentors, and admins in a single platform for creating quizzes, trading second-hand materials, participating in surveys and promoting events.

Team Members

1.	TAN YAN YU

UMPSA: Harmony NEXT

Project Title: Recycle Wise

Recycle Wise is a recycling platform designed to empower individuals to engage in environmentally responsible waste management. This app facilitates easy pickup requests for recyclable items making recycling accessible to users with a simple interface. Additionally, this app also features an interactive augmented reality (AR) game that educates users on recycling. This app also implemented object detection technology that enable users to quickly determine if an item can be recycled. Furthermore, this app also powered with another AI feature which integrates AI chatbot that answer user questions and provides recycling tips.

Team Members

1.	JIMMY TANG JING MING

UMPSA: LHL

Project Title: SPOTLESServe - Where Laundry Meets Convenience

SPOTLESServe is a mobile-based laundry solution designed for smart communities, particularly the University Malaysia Pahang (UMPSA) campus. It offers students, staff and visitors convenient laundry services with features like delivery to your doorstep, real-time tracking, and on-demand services.

Team Members	
1.	LEE XIN YEE
2.	JEHOVAH YII ZUI HON
3.	LEE HUI NI

UTM: JACK

Project Title: Health One

Health One is an AI-powered health and fitness companion designed to provide accessible, on-demand health insights, personalized workout plans, and self-guided exercises. With features like a health chatbot, visual diagnosis, and custom fitness routines, the app empowers users to manage their wellness proactively and conveniently, supporting the goal of "Good Health and Well-being" for all.

Team Members	
1.	MOHAMAD AZAFRI BIN ABD MAJID

UCTATI: PRINTORIUM

Project Title: ZapZapp Mobile App

Zapzapp helps drive local economic growth. The app creates a new digital revenue stream, making the business more competitive and accessible to a broader audience, which can support job sustainability and business expansion.

Team Members	
1.	FAIZ MULLAH BIN YUSOF
2.	IKHWAN SYAFIQ BIN MOHAMAD SHAIPUDIN
3.	AHMAD IKMAL IQBAL BIN MUHAMMAD YUSOFF

UMPSA: CodeTriad

Project Title: Savor & Share

An AI-Powered Surplus Food Management App where any perishable food item remains unsold at the end of the day, the public has the option to self-purchase or make a donation.

Team Members	
1.	ALPHA CHONG SHU SIANG
2.	KOO MING ZHE
3.	GAN JUN WEI

UMPSA: ProfessionalPeople

Project Title: FoodShare

"FoodShare" is a community-driven mobile app designed to connect food donors including restaurants, supermarkets, volunteers and individuals with local shelters and people in need, all within a single platform.

Team Members	
1.	MUSAB AHMED ABDALLAH
2.	KEH BAN NING

UTHM: aihanif

Project Title: E-Learning Solution for the Hearing-Impaired Students in Islamic Education with "Mari Belajar PAI"

Mari Belajar PAI is an interactive educational app, specifically designed to provide an inclusive and immersive learning experience for hearing-impaired students in education.

Team Members	
1.	AIMAN HANIF BIN DOLAH