

KOMPUTIKA

April 2025
Issue

NEWSLETTER

Successful Collaboration with Malaysia Airlines Academy

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TAG

[Achievement] [Event]
[Multimedia] [FYP] [ARVR]
[Malaysia Airlines
Academy] [Industry
Collaboration]

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Universiti Malaya



UM team and MABA team during final presentation.

Successful Collaboration with Malaysia Airlines Academy

— By Nornazlita Hussin, Hannyzura Affal

The **Multimedia Unit of the Faculty of Computer Science & Information Technology, Universiti Malaya**, proudly celebrates the success of its **collaboration with Malaysia Airlines Academy (MABA)** on the students' **Final Year Projects (FYP)**. This industry-driven initiative, focusing on **Virtual and Augmented Reality (VR/AR) applications**, has successfully revolutionized traditional aviation training by transforming learning content into immersive and interactive digital experiences.

Spanning two semesters, the project offered students invaluable hands-on exposure to real-world aviation training needs. Working closely with Malaysia Airlines trainers, students transformed training materials into digital modules tailored for cabin, cargo, and airline crew. Throughout the collaboration, students actively participated in industry meetings, overcame challenges, conducted User Acceptance Testing (UAT), and worked with real training data to ensure the solutions meet industry standards. This partnership underscores the power of innovation and real-world application in shaping future talent.

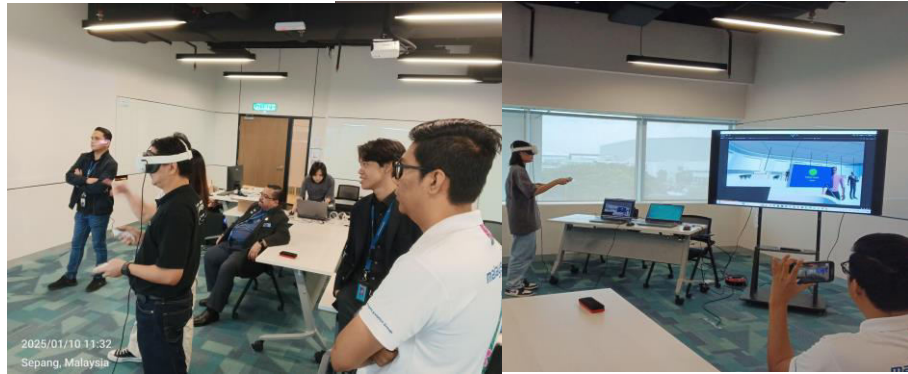


UM students with First Aid Maba team demonstration.



UM team (First Aid and Dangerous Goods) with Maba team.

The project collaboration emphasized the creation of VR and AR-based learning applications to revolutionize aviation training, offering airline staff immersive and interactive educational experience. A cornerstone of the initiative was the digital transformation of Malaysia Airlines' training content, modernizing conventional materials into dynamic and engaging technology-driven modules. Significantly, applications of two projects were created: one specifically designed for First Aid training for cabin crew, and the other focused on Dangerous Goods Handling training for airline and cargo personnel. These applications provide airline personnel with practical, hands-on training through cutting-edge digital platforms, enhancing both engagement and competency.



During UAT: UM students with instructors from MABA.

Under the guidance of **four dedicated lecturers**, the students were divided into teams based on their project assignments:

- **Nornazlita Hussin** (First Aid) – Umar Muzakki Zulkifli, Anneisha Purnamasary Esmachanie Akson and Nur Aina Saipulismi
- **Hannyzzurra Affal** (Dangerous Goods) – Ng Su Ann, Kok Zher Yi and Siti Nourul A'in Ruslan
- **Dr. Nurul Fazmidar Mohd Noor** (First Aid) – Muhammad Rafiq Iqbal Samsuri
- **Assoc. Prof. Dr. Azah Anir Norman** – Alvin Lee Kuan Fatt



UM team with First Aid Maba team.

The final presentation of the students' projects was a significant milestone, attended by key figures from **Malaysia Airlines Academy (MABA)** and **MAG Group IT**, including **Puan Aida Salfaraz**, Chief Operating Officer of Malaysia Airlines Academy; **Captain Kamarul Ariffin**, Chief Flight Simulator Instructor & Deputy Head of Training at MABA; **Captain Muhammad Nizar Abdul Bari**, Instructional Service Manager & Head of Operations at MABA; and **Diarmuid Seow**, Product Manager for Aviation Services and LTS at MAG Group IT and all the trainers and staffs that involved in this collaboration.

The collaboration has been a **resounding success**, benefiting both students and industry professionals. Students not only gained invaluable **technical expertise in VR/AR and digital content creation**, but also **developed essential skills** such as **communication, problem-solving, and decision-making** by engaging with aviation professionals. Working in a real corporate setting with industry mentors gave them first-hand experience in tackling challenges, refining their solutions based on professional feedback, and adapting to high industry standards.

The partnership highlights the faculty's commitment to **bridging academia with industry**, ensuring students graduate with **practical experience, industry exposure, and future-ready skills**. We look forward to more exciting collaborations in the future!

#FYP2024/25 #Multimedia #VRAR #IndustryCollaboration

For more information, contact the author at nazlita@um.edu.my from the Department of Computer System and Technology at Universiti Malaya.