ERMIERA SHAFIKA BINTI MOKHTAR

Australia Malaysia Virtual PhD Internship Program - 2025

MIXED REALITY (MR) MODEL BASED ON VISUAL INTERACTION (VI) DESIGN PRINCIPLES FOR DEAF LEARNERS

Thesis Outline

My thesis develops a Mixed Reality (MR) model guided by Visual Interaction (VI) design principles to enhance the learning experience, ensuring clarity, accessibility, and immersive support through visual-based interaction.

Supervisors & Institutions

Ts. Dr. Siti Zulaiha Binti Ahmad and Ts. Dr. Nurulnadwan Binti Aziz
Universiti Teknologi MARA (UiTM)

Dr. Theo Teo
University of South Australia (UniSA)

Future Goals

My future goal is to advance research in MR and VI design, creating inclusive learning models for deaf learners, while contributing to academia through publications, collaboration and impactful educational innovations.

AMVPIP Experience

I gained valuable experience in research development, critical analysis, and academic collaboration. I explored innovative approaches in MR and VI design, focusing on accessible learning solutions for deaf learners. The program enhanced my skills in systematic literature review, model construction and expert validation, while also fostering teamwork, leadership and problem-solving abilities in an interdisciplinary academic setting.

Key Takeaways

Interdisciplinary collaboration
Research & Innovation
Leadership & Communication