



POLYU Junior Researcher Mentoring Programme 2024



| | |
|---|--|
| Code: | JRMP2024_13 |
| School / Department: | School of Nursing |
| Name of Research Team Member(s): | Dr Yang Lin, Associate Professor |
| Research Topic: | An edge AI-based AR system for hand hygiene training in undergraduates of health-related disciplines |
| Short Description of the Research Project: | <p>Proper hand hygiene can significantly reduce healthcare-associated infections. Therefore, the importance of hand hygiene training for undergraduates of health-related disciplines should never be underestimated. However, because individual training and assessment is labour-intensive and often biased due to the presence of observers, the current teaching mode in PolyU and other healthcare training facilities is mainly via lectures and demonstration videos.</p> <p>This project aims to develop an AI-powered interactive system based on distributed edge intelligence for hand hygiene training and assessment of undergraduates across different health-related disciplines at PolyU.</p> |
| No. of Places Offered: | 2 |
| Frequency of Meetings: | Monthly |
| Special Requirement(s): | N/A |

* The information presented above is subject to change.