

A doctor in blue scrubs is using a smartphone. The image is overlaid with a futuristic, semi-transparent medical interface. The interface includes various icons such as a stethoscope, a pill, a globe, and a heart. There are also text elements like 'MEDICAL' and 'Cytosine'. The background is a blurred image of a doctor's hands holding a smartphone. The overall color scheme is blue and white, with a dark blue overlay for the interface elements.

A NOVEL INTELLIGENT IMMERSIVE MIXED- REALITY (MR) MOBILE APPLICATION FOR HEALTHCARE EDUCATION

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Objectives

- Introduce and share the novel innovative approach (MR Application) and its experience used in the Health care education.
- Challenges
- Transferability to other disciplines
- Future course of action
- Q&A

Introduction

- Health Care Education
- Work based learning (WBL) through clinical placement is important/vital for most of the healthcare (HC) education
- Exposure to different clinical scenario
- Confidence in clinical practice

Challenge

Due to the increased number of students in the HC programmes together with the limited availability of the work placement opportunities, providing appropriate good quality clinical experience is a challenge.

Purpose

Bringing real world (clinical) scenarios in classroom environment for students learning in a safer and flexible environment

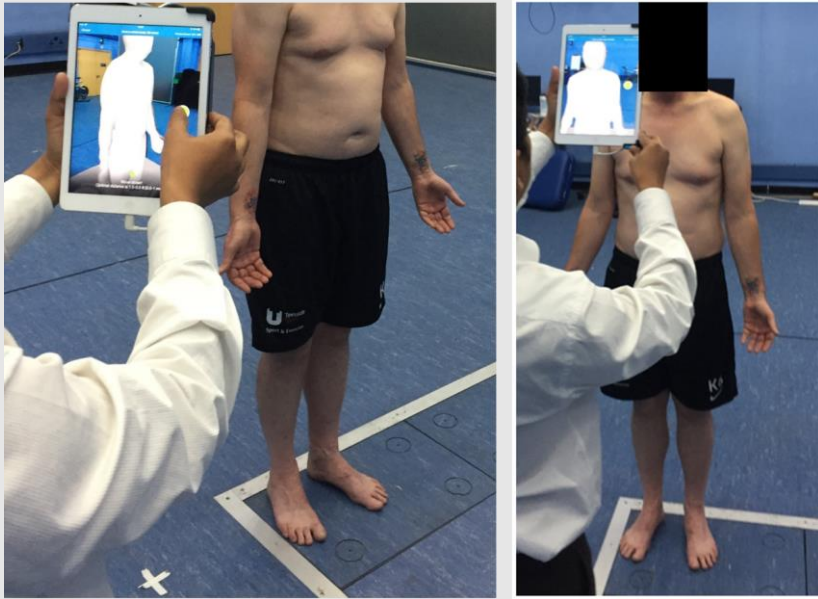
Innovative Solution

Data capture

Creating
Database

Converting Database
into Highly Immersive
Interactive Educational
Tool

Demonstration



- *Tools Used: Structure Sensor; Mobile Applications – itSeez3D & Augment*

Examples





Implications

- Students engagement
- Practical Exam
- Confidence in clinical practice
- Transferrability

Future Work

- Development of a standalone tool
- AI Enabled - Highly adaptive to the student learning need
- Accessible for flexible learning
- Capture/ Quantify the student learning
- Measure the student confidence and their clinical impact in the real world

Thank You

Q & A

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