

Full time PhD Scholarship under Royal Melbourne Institute of Technology (RMIT) - University of Peradeniya (UOP) Joint PhD Programme



Title: Extended Reality Technologies for Enhanced University Pedagogy

Brief Description:

Join our research team in exploring the transformative potential of Extended Reality (XR) technologies in higher education pedagogy. This PhD opportunity focuses on developing immersive and interactive learning modules to revolutionize teaching practices in the built environment discipline.

Built environment education holds intrinsic industry relevance, and integrating real-world practices into curricula offers a unique opportunity to enhance student-centered learning and engagement. However, there is a pressing need for a paradigm shift towards digital innovation, particularly in fostering innovative interactive, immersive classroom experiences and assessment methods.

As part of this project, you will have the opportunity to:

- Explore immersive learning experiences using Mixed Reality (MR), Augmented Reality (AR), and Virtual Reality (VR) technologies.
- Utilize case studies from the built environment discipline to create engaging learning materials.
- Investigate the impact of XR technologies on student learning outcomes and quality of learning.
- Collaborate with educators and industry professionals to shape the future of higher education pedagogy.

This PhD project offers a unique opportunity to contribute to the advancement of teaching practices in non-traditional courses, with potential implications for other disciplines. If you are passionate about digital innovation and its potential to revolutionize education, we encourage you to apply.

Supervisors:

- UoP Supervisors: Dr. U. Jayasinghe, Dr. I. Nawinne
- RMIT Supervisors: Dr. Ruwini Edirisinghe, Prof. Sujeeva Setunge

Commencement date: August 2024

Features of the PhD:

- Duration of the PhD is 3-3.5 years on a full-time basis and the candidate will spend maximum period of one year at RMIT, Australia and the remaining time in Sri Lanka.
- The **tuition fee is fully waived**, and the selected applicant will be considered for the standard scholarships for **living stipend during the stay in Sri Lanka and Australia**.
- There will be at least one principal supervisor each from RMIT and UOP.
- Degree will be awarded from both institutions acknowledging the joint supervision. You will get two separate degree certificates, one each from RMIT and UOP.

Successful candidates should have the following:

1. BSc Engineering (Specializing in Computer Engineering/Computer Science/Telecommunication Engineering/Electrical or Electronics Engineering) with Second Class Upper division or higher
2. IELTS overall band of 6.5 with each band above 6.0

We are looking for a dynamic candidate who meets the above qualifications.

If you are interested in this PhD research, apply via the following link on or before 21st April 2024.



<https://forms.gle/GKpRW1Cv8KSPRDvs8>



Note: Only the shortlisted candidates will be called for an interview.

If you have any queries, contact Dr. Upul Jayasinghe [Email: UPULJM@eng.pdn.ac.lk]