**2022/2023 Summer Research Project Description**

Please use this template to create a description of each research project, eligibility requirements and expected deliverables. Project details can then be uploaded to each faculty, school, institute, and centre webpage prior to the launch of the program.

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| **Project title:** | **The Digitalization of Evidence-based Professional Training** |
| **Project duration, hours of engagement & delivery mode** | 6-10 weeks during Summer Vacation.  20-36hrs per week  Project can be completed remotely |
| **Description:** | Consultation skill is a core component of effective intervention in medical and health. It is important however to note that it is not easy to teach or assess consultation skills training. Currently, the majority of interaction analysis systems in medical and health training are operationalised by trainers using checklists or their own judgements without computer support. Consequently, the training capacity is often limited. With online training, this human-dependent method of assessment becomes even more challenging. This project aims to (1) explore the efficiency of different professional training approach for the online environment and (2) develop an (AI) agent to support the process of skill training and assessment. By adopting cutting-edge AI technologies, we aim to develop an automated feedback system (AFS) to mimic the role of a trainer to assess trainees’ consultation skills and provide them with appropriate feedback. |
| **Expected outcomes and deliverables:** | Please highlight what applicants can expect to gain/learn from participating in the project, and what they will be expected to complete as a part of the project.  *Students will learn about:*   1. *The Triple P (Positive Parenting Program)* 2. *The self-regulation framework and how it would be applied in the professional training context* 3. *Running an experimental study* 4. *Coding and analysing of observational data* 5. *Working with interdisciplinary team*   *Expected deliverables:*   1. *Support collecting data for an experimental study exploring the application of self-regulation framework in online training* 2. *Contribute to writing up report* |
| **Suitable for:** | T*his project is open to applications from students with a background in psychology or public health with good working attitude, committed to the task given* |
| **Primary Supervisor:** | Dr. April Hoang |
| **Further info:** | If you have any question, please feel free to contact Dr.Hoang at a.phuong@uq.edu.au |