RESEARCH OFFICER

This position is responsible for the project "Implementation of a self-help digital mental health intervention (DMHI) to nurses by using a fully automated conversational agent "funded by Monash University Malaysia NEED (NEtwork for Equity through Digital Health) Grant Scheme 2020. The purpose of this study is to determine the feasibility, acceptability and preliminary efficacy of, a culturally sensitive fully automated conversational agent (Chatbot), in delivering Cognitive Behaviour Therapy (CBT) to Malaysian nurses in the rural district who self-identify as having symptoms of work-related stress and burnout.

Location: Based in Sunway Campus

Key Responsibilities

The main role of the Research Officer is to support the research and development of the project entitled "Implementation of a self-help digital mental health intervention (DMHI) to nurses by using a fully automated conversational agent", funded by NEED Grant.
The project is about a mental health chatbot in the Malay language, that enable self-help among nurses for digital mental health intervention. The project will first identify suitable chatbot built for mental health support. The chatbot should be integrated with a translation system in between the backend core dialogue system and the user to translate English to Malay and vice versa.

The occupant is expected to provide significant support to research by performing a range of research related tasks including:

- Conduct literature search and preparation of manuscripts and reports.
- To identify suitable chatbot built for mental health support that can be integrated with a English-Malay translation system.
- To implement cultural adaptation within the chatbot that is sensitive to Malaysian culture.
- To complete the development and testing of the chatbot.
- To plan and conduct training for the end users.
- To evaluate the performance of the chatbot and perform fine-tuning based on the feedback of the users.
- To provide significant assistance in the preparation of documentation for research ethic applications, journal and conference papers.
- Comply with University policy, procedure and protocols in relation to the nature of the research being conducted.
- Other duties as required within the scope of the classification of this position.

Key Selection Criteria

- A Bachelor degree, Honours degree or Master's degree in computer science or information technology with subsequent relevant experience, or
- extensive experience in research-based projects, or
- extensive administrative experience, or
- Strong software competency and proficiency with programming languages such as Python, C++, Java and etc.