

Faculty of Engineering

Summer Research Program 2023-2024

Project Title: Novel low-cost impactful assistive technology

Supervisor(s): A/Prof Yan Tat Wong

Department: ECSE

Email: yan.wong@monash.edu

Website profile of project supervisor: <https://research.monash.edu/en/persons/yan-wong>
<https://www.monash.edu/neurobionics>

Objective

Assistive technology help to improve people's quality of life by improving function or independences. According to the WHO there are more than 2.5 billion people who need assistive products. The development of simple, low-cost assistive technology can have wide ranging positive impact but it often is not commercially viable for large corporations.

Project Details

Monash has started a new center in assistive technology in recognition of the huge need for assistive tech. This specific project can take many forms but the core work will be to identify an unmet need for a community and then create a low-cost technological solution. Examples include a text reading app to help the low vision community, text-to-speech aids or communication boards for people with speech disabilities, or even more general environmental adaptations such as better ways to open doors.

Prerequisites

Excitement.

Additional Information

Please send me an email with

- your CV
- your marks transcript (it doesn't need to be certified)
- a writing sample (e.g. a recent assessment; if it's a group assessment, please submit one in which you did the majority of the writing).
- an indication of your level of programming and research experience.

Feel free to ask questions about the nature of the project. It is possible to tailor the work to match the experience or interests of the student.