

BN4102 GERONTECHNOLOGY IN AGEING

WHAT IS THIS MODULE ABOUT?

This module introduces students to various healthcare technologies that alleviate the burden associated with ageing, with a focus on designing and developing appropriate technological innovations for the silver economy. The module covers the topics on the biology of ageing, technologies in assisted living, caregiving, and compensating declining physical abilities, as well as digital health in ageing. This module also includes a service learning project where students partner with various social service agencies to identify and address existing gaps through a hands-on design project to develop a gerontechnological innovation prototype.



(a) We worked with our wide network of community partners providing eldercare services where (b) students work in a team and partner with a senior for experiential learning in solving real-world challenges faced by them, before (c) presenting their prototype solutions publicly in the community during our annual GeronTech Showcase.

KEY FEATURES OF THIS MODULE

- It adopts **community-based learning** with opportunities for engagement with seniors in the community.
- Lectures are provided by **external professionals** in relevant agencies.
- Lab practicals to try and critically evaluate existing **gerontech products**.
- You have opportunities to engage and directly **impact a person's life**.



This module is also part of **bGood**, where you have opportunities to continue working on your project with a generous budget after the module, towards community deployment at-scale while getting paid at the same time. Scan the QR code to visit our **bGood** website for more info or email Dr. James Kah at biekahj@nus.edu.sg to find out more.



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