

ROBOTS FOR PEOPLE WITH EARLY STAGE DEMENTIA AT HOME

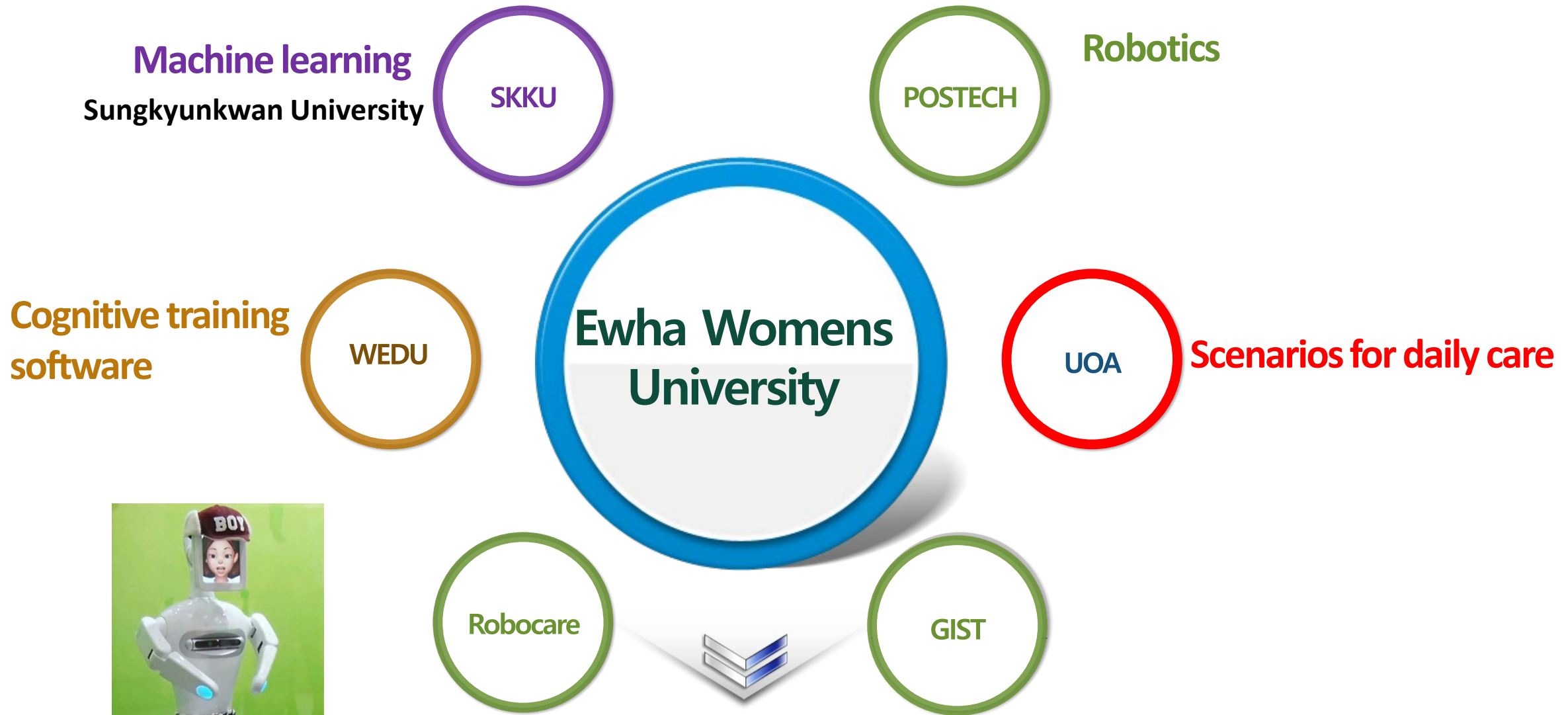
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AIMS

Build a cognitive training program using robots

Design care services for daily life for patients with mild dementia

Build proactive programs based on location-tracking at home

Evaluate the effects of robot cognitive training programs on the brain using multi-modal neuroimaging

FIRST TWO PHASES at UoA

2016: 9 older adults, 16 dementia experts & 8 caregivers were interviewed to determine key tasks for a daily service robot (Darragh et al., 2018)

2017: 9 older adults and 11 experts were shown videos of Silbot (Figure 2) performing those tasks and their suitability was assessed



THIRD PHASE 2018

Improved scenarios and tested with Silbot with 10 with experts at retirement village

Tested cognitive training games on new robot for acceptability with 10 older people at retirement village

FOR RESULTS – SEE POSTER