

ABSTRACT

Due to ageing demographic, home-alone elderly with mild dementia may face difficulty in managing their daily activities. If no intervention is taken, they may end up totally dependent on others, resulting in unnecessary burden to their caregivers. Hence, the aim of this project is to demonstrate how intelligence technologies empower home-alone cognitive impaired elderly in carrying out their activities correctly and independently. With the use of sensors and user interfaces, the elderly activities can be determined and monitored. Timely cognitive assistance can also be provided through prompts and reminders, enabling them to continue desirable activities in intuitive manner.