

Social Context & Problem

For many persons with intellectual disabilities (PwID), independent travel via public transport can be a challenge and concern, not only for the person but also for their caregivers and families. Such challenges relate not just to issues of physical accessibility. Especially for those with lower cognitive abilities, issues such as navigation of the transport network and making interconnections can be a big challenge. For caregivers, knowing their care's whereabouts, safety and well-being can limit the freedom, independence and mobility of a PwID.

Objectives & Scope

We are seeking innovative solutions or mobile applications that can enable greater independent and safe travel for PwIDs, and also enable greater peace of mind by their families or caregivers. Such a solution could include, but is not limited to the following features:

- 1) a training module that enables a PwID or their caregiver to easily learn, plan and enable independent travel via public transport;*
- 2) enable journey planning, interconnection, wayfinding and information/alert triggers for the PwID using the public transport system;*
- 3) integration with public transport information;*
- 4) enable a caregiver to pre-set and define a route and interconnections;*
- 5) enable the PwID or caregiver to know if the PwID is deviating from their plan route.*
- 6) enable easy location of the PwID either through geo location and/or video conference to see where the person is;*
- 7) enable easy intervention for the caregiver or public service provider in times of difficulty or need for support;*
- 8) other features or solutions that achieve the objectives set out above.*

This is a joint initiative of MINDS, SMRT and Singtel Future Makers Programme, where relevant start-ups or solution providers will be provided a grant of up to S\$20k from Singtel, and be part of a 4-month capacity building and acceleration programme to develop and refine their plans, products and strategy. The programme will also enable collaboration and engagement with the relevant community partners like MINDS and SMRT, with mentors and coaches who are part of the Singtel Future Makers Programme. Applicants are strongly encouraged to ride on SMRTConnect app and use existing open source public transport information to create a robust mobile solution.