IoT System for Public Health and Safety Monitoring with Ubiquitous Location Tracking

In today's highly digitized society, ICT technologies play a critical role in preserving health and safety of vulnerable citizen especially women, children and the elderly. There is a growing needs for monitoring the citizen's safety and lifestyle anytime, anywhere. The goal is to develop a system which enables tracking of location, lifestyle and health status in promotion of public health and safety taking into consideration ASEAN culture, lifestyles, behaviours and infrastructures by integrating the state of the art indoor/outdoor localization, motion/health reasoning, IoT and analytics technologies.

Localization Technologies

Indoor/Outdoor

GPS · Cellular · WiFi · VLC · UWB · BLE · Sensors · Sound

Fusion

Wearable Device

Track

Safety (Location) & Health Tracking

Panic Button · ♀findme · HealthTracker

Cloud Services

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