

# Bassein Innovations & Technology Solution

Innovation and Entrepreneurship Development Centre,  
Sardar Patel Institute of Technology,  
Andheri West,  
Mumbai-58



Amarendra Ranade (Director)

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*Product:* SmartStick-An Aiding Companion

*Project:* SmartStick is an intelligent yet easy to use walking cane stick designed for elderly people

Bassein Innovations and Technology Solutions (BITS) was established in the year 2014-2015 by the promoters Amarendra Ranade, Kulbhushan Tanwar and Joel Wilson at Innovations and Entrepreneurship Development Centre, Sardar Patel Institute Of Technology, Andheri West, Mumbai.

The premier product of the company is SmartStick-An Aiding Companion. SmartStick is innovated specially for thousands of elderly people who feel insecure when out for a walk. This walking stick is embedded with a GPS and GSM module which works as *a location tracker and a communicator respectively*, a health monitoring tool which *monitors the user's heart-beats* and notifies the guardian if found any abnormality, *a electroshock device* and *a buzzer* together incorporated as an SOS key to ensure the safety of the user, *a led torch* to assist in darkness and an accelerometer for *fall/collapse detection* of the user. The product basically assists the elderly user in all possible ways and also assures the guardian about users well being.

**It is like virtually taking care of your parents even though you are not with them!!!**