

Samay-Sancharak (A Braille-enabled Wrist watch and Cell phone for Blind)

Tremendous growth in digital world has changed human lives today. More and more efficient and effective digital applications initiatives taken by government across globe will make great impact on next generation with experiencing more and more digitization. Current use of the Mobile phones along with novel wearable devices today have demonstrated example of the same. There is a great need to extend various features provided by cell phones and other digital devices for blind persons. To achieve this challenging task we, in this innovative work, propose novel mobile cell phone integrated with wearable watch design which shall act as essential handled devices for blinds that can be used for managing call, SMS, etc. effectively. Proposed SANCHARAK (A Cell phone for blind) and wearable device SAMAY (The Smart Braille enabled wrist watch for blind) are developed after rigorous survey followed by feedback and requirements from large number of blind organizations and are demonstrated with use of buzzer, QWERTY keyboard, ICE calling, alarm facility, GPS location Tracking, battery level indication, network level indication etc. with Braille language support. In addition to regular functions of watch, SMS, Call and other Notifications being displayed on SAMAY with integration of novel technology of SANCHARAK shall make visually impaired person work more efficiently, since both devices communicate with each other remotely and are implemented after incorporating continuous feedback. We strongly believe that use of these smart features will contribute at large in increasing exponentially work-efficiency and help to society at large. Preliminary results are very much encouraging and highly appreciated by intellectuals, various agencies, NGOs, research community, study groups, and prospective users.

For more details on the innovation kindly follow the link mentioned below. This will contain videos, images, detailed report, presentations which will serve for better understanding

<https://drive.google.com/folderview?id=0Bx5toRmmTkaYVZDMnpXSUZoX1E&usp=sharing>

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