

ABSTRACT

Smart phone technology and mobile applications have become an indispensable part of our daily life. Many people living with blindness or a visual impairment find life easier due to these apps. V app is an Android based application that benefits from the commercially available technology to help the visually impaired people improve their day-to-day activities. A single screen tap in this app is able to serve as a virtual eye by providing a sense of seeing to the blind person by audibly communicating with them. Moreover, the communication between smart phone and its user is made through a text-to-speech software module. According to tests, this android application proves to be efficient, portable, small, cost-effective and does not require many hours of training. This app is specially designed for Visually Challenged Students who are depending on any third person for help. The basic workflow of the system is, the system speaks out any new update on trends or notes or assignments etc. and the user will be able to download them by voice commands. Many blind people's life becomes easier because of these apps being able to read things that are only in visual print.