

Abstract

People with sightedness can easily walk and sense any danger with the help of their eyes. But it is not same with the blind person who can't see the world, can't walk independently and can't recognize any danger as the sighted people. They have to be alert at all times to avoid consequences like colliding with stable or moving obstacles, ascending or descending staircases, slipping down wet terrain. Also, at times they may be in distress and might want to send an alert message to their relatives or friends about their whereabouts. So Dependency is the major problem faced by the blind people, because even the closest people of them can't always be available to take care. This problem would be solved by designing a "Smart Stick" using "Internet Of Things". The Internet of Things used in the Smart Stick helps the blind individuals to be independent and provide self-assurance as normal beings, by using various sensors like Ultrasonic, soil moisture and RF,GSM module.