

SPOT NOTIFIER WITH MECHANISED DOOR LOCKING AID FOR VISUALLY IMPAIRED PEOPLE

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Overall in 160 million individuals, 37 million people are found to be visually impaired. The need for assistive devices was and will be consistent. Usually blind people have to use their walking stick to check if any hurdles are present in front of them. But this stick cannot be used everywhere and the person using it has to face several problems. Spot Notifier with Mechanised Door Locking Aid for Visually Challenged People provides the blind people a better navigational tool. It gives the voice caution to keep away from obstructions in view of ultrasonic sensors and abstains from slipping into water utilizing moisture sensor. It also allows the blind person to detect if there is light or darkness in the room using LDR sensor. By pressing the remote button, the victim can find the lost stick using a RF remote. Along with this, it has got the capability to automatically switch on and off the fan, when needed by pressing the remote button. Emergency button is included for sending the current location of the victim to their near and dear ones using GPS and GSM modules. The concerned persons can get the notification alert once the victim reaches the room safely. In addition, it could act as an Automatic door locking system for the victim. Thus, this aid acts as an Emergency Location alert notifier and allows for obstacle detection along with an Automatic door locking capability using RFID Tags.

