

SMART HOODIE

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Good vision is a precious gift, but unfortunately loss of vision is becoming common these days. Blindness may result from a, injury or other conditions that limit vision, because of this, blind people confront a number of challenges every day. Navigation is one of them. And the solution is the Smart Hoodie– it can sense the objects around them. It can prevent the blind people from getting hurt accidentally or by banging on heavy objects. The technology used here is IOT where a Raspberry Pi kit is used along with ultrasonic sensors which can sense objects. A micro camera can be fixed on top of the hoodie where once the image is captured object recognition can be done using image processing. We can also track the location of the blind person in case they're lost using GPS module. A GSM module is also used, so if the blind person wants to send any message in case if any emergency that can also be done. A RF Transceiver is also fixed which acts like a walkie-talkie in case the blind person wants to communicate with someone nearer to them. Apart from the blind people the general public such as old people or people with poor eyesight can also use this smart hoodie.