IRIS

Abstract

This project presents an idea of developing a smart system which can help the visually impaired people to listen books and some general knowledge mock tests etc. without the help of others, there are many challenges faced by visually impaired people. In most cases, they require constant support in almost all scenarios. One of the challenges include difficulty in reading a book and some general knowledge mock tests etc. In order to count avert this situation, we propose “IRIS”.

A voice enabled system is proposed here for visually challenged people without a third person. The system combines the various available technologies and integrates them into a single multipurpose website that can be used by the visually impaired.

User Modules:

• User Authentication and Security

• Registration

Users:

• Admin

• User

Functionalities

Ø speech recognition [Text to Speech &Speech to Text]

Ø Face recognition

Technologies used

Ø HTML,CSS, Javascript

Ø Python

Ø Machine Learning.