ABSTRACT

DRISHTI

Project Nature : New Topic

The Project titled **"DRISHTI"** is a web-based application done using HTML as the front-end and Python-Flask as the back- end, SQLite 3 as database. It is a web based application mainly for an institution for visually impaired candidate . Drishti is a project that aims at the implementation of voice based online examinations, online courses and job opportunities for visually impaired candidate. The project removes the current drawbacks of the traditional way for conducting examination for the blind people require scribr/writer. These candidate face difficulties in using the scribes for examinations. It is hard for them to dictate the answer to scribes. The systems that make use of voice interface for the visually impaired students. The web-based application allows the admin to manage the candidate and as well as the exam.

The web application allows the admin over all control. Admin can register candidate for the online examination. Candidate can answer his/her examination paper on the computer through voice and submit their answers. Creating questions and verifying answers are also done by admin. After verifying answers admin will generate score to the user. Only after registration candidate can login to the site using voice. After login, the system will instruct the candidate one by one the procedures through voice. The user can choose their operations through voice using pre defined key words.

EXISTING SYSTEM

The Online-Examination for Blind People is basically an online examination system. It reflects the justification and objectivity of examination. The current online examination systems do not allow blind people to appear for the examination. In current system the blind people cannot interect with the system, with out the help of an third party. It is not userfriendly for the blind people.

PROPOSED SYSTEM

The proposed application avoids main drawback of the current system. The proposed system allow the visually impaired people to interact with the system and attend a certified online examination with out the help of a scribe/writer, and they can even learn an online certified course, and apply for a jobs by them self.   The current online examination systems do not allow blind people to appear for the examination. Hence, the proposed application is designed for the blind people so that they can appear for examination; it is also useful for the other handicapped people with upper limb disability. This research work provides the speech user interface for blind people to interact with the application. The proposed application will dictate the questions to the candidate with the help of Speech Synthesis. The application will accept the answers from candidates through voice commands using Speech Recognition. As the proposed system is online, result generation will be quick.

MODULES

1. Admin
2. User

Admin

Admin handles one of the most important modules in "DRISHTI". Admin has full control of the system, he can view candidate, conduct online examination/create question, add online cources, update the candidates about the job vacancies and manage candidate, result from the system. This project also includes a exam certificate of candidate.

- Manage Online Exam

Admin can manage examination for candidates.

- Manage Question

Admin has the privilege to create question for exam.

- Verify Answer

Admin has another privilege to view the answers and for evaluating their results.

- Online Course Management

Admin has the privilege to create online courses for candidates.

- Job Details

Admin will update the candidate about the job vacancies related to their certified courses and exams.

Admin will provide username and password to the candidate.

User Module

User handles following phases profile and login to system and attend online exam and apply for online courses and job vacancies . Before it, admin should first register them so that they get the username and registration number to login the system through voice.

- Login to System

Candidate can login to system through voice.

- Attend online exam

Candidate can attend online exam.

- Apply for online course

Candidate can apply for certified online courses ,

- Apply for jobs

Candidates can apply for the jobs.