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(57) Abstract :

SYSTEM AND APPROACH FOR INTERACTIVE EXAMINATION FOR VISUALLY CHALLENGED CANDIDATES IN ENGLISH AND TAMIL LANGUAGES

In the traditional methods of educational practice, the possibility of writing exams by the visually challenged candidates has always been dependent on the scribes. It is a tedious task for the visually challenged candidates and their family to identify a scribe as there aren't enough scribes when compared to the visually challenged candidates; this puts the candidates in a critical situation during the examinations. To overcome these situations, this proposed system helps the candidates in attending their examinations independently using speech to text and text to speech conversion. The examination is designed in an interactive manner where the questions are converted from text to speech by the system and the responses given by the candidate are received as voice input and is converted into text format. The received responses are converted into text format using speech to text conversion. The candidate can get help from the system for any system related issues like password mismatch, wrong field of choice for entering the password, register number. with their voice commands. This system restricts a user with unique login credentials in a single system at any point in time. All the data including questions, answer options, answers and candidate credentials are stored in a cloud database that is connected to the system through internet. The evaluated score of the examination for each candidate is generated and stored in the database.

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