

ABSTRACT

The project entitled as '**SAVIS**' (**Study Assistant for Visually Impaired Students**) is a study assistance **focused on visually impaired students**. The project aims to help blind students with the help of **speech responsive web application**. These students can interact with the system using voice commands and they can access various study resources including the syllabus materials and the internet data using this web application. The system consist of **two fully integrated modules:- one is the 'Teacher' and one is the 'Student'**.

Currently, the Braille code system is used by people with a little or no usable vision for reading and writing . The main drawback of braille system is that ,it may take several months for them to understand the functioning of the system and also it is limited for students to acquire knowledge.

SAVIS is fully intended to create a voice bot that will act as a study assistant and make blind student's learning process faster, easier and more interesting . It will help to create a resourceful and fully speech interactive environment for visually disabled children and it will enhance their knowledge thereby building a bright career .The project in-cooperates the elements of artificial intelligence ,natural language processing and web services to ease the effort of both blind students and their teachers.

Front end : Django, Python

Backend : MySQL.

