

PROJECT ABSTRACT

PROJECT TITLE:

Text to speech web application

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Text-to-Speech (TTS) is a useful technology that converts any text into a speech signal. It can be utilized for various purposes, e.g. car navigation, announcements in railway stations, response services in telecommunications, and e-mail reading. The Text-to-Speech synthesizer is developed to convert the text into spoken words, by analysing and processing it using the Natural Language Processing (NLP). This Project aims to develop an easy to use and an open source web application where the user can convert a written text, a pdf or any document into spoken words and can listen to it on any of their devices. This application consists of many voices to choose from and also the user can change the rate, volume and pitch of the speech based on their requirement. The main aim of the project is to provide the users an assistive technology with the help of which they can listen to the content present on the screen while doing other activities, it is also very beneficial to the people with visual and reading impairments.

TOOLS AND SOFTWARE:

HTML, CSS, JavaScript, Web Speech API, Visual Studio Code.

PROJECT MEMBERS:

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