

ANUVADAK

ANUVADAK, a hindi word which refers to a translation device. It is an application which provides translation services to the users. Features of Anuvadak includes Text Translation, Speech to Text, QR-Scanner, Web- Viewer and Image Recogniser.

App Category:

Mobile application for real-time speech-to-speech translation.

Each feature is described as follows:

1. Text Translation

This screen can translate a text from a Text Input and display the results as a label on the app's screen and also speaks the result. Yandex API Key provides the translation into about 94 various languages.

Source Language is input to translator, which is the name of the language to translate from. Currently available in 94 languages.

Target Language is the name of the language to translate to. The user can choose a language from available 94 languages.

2. Speech to Text

The Speech Recognizer component can translate a full phrase as a person is speaking. The Speech Recognizer stops listening after it stops detecting any sound.

Then it displays text of spoken words. It also converts the spoken text to target language automatically selected from text to speech and speaks the result.

3. QR – Scanner

This feature enables the app to read barcodes and QR codes. Barcodes and QR codes can be useful features in many types of apps from social apps like WeChat and Venmo to connect friends together or location-based games like scavenger hunts. The Barcode Scanner component uses the camera to read any barcode or QR code.

4. Web – Viewer

With the Web Viewer screen, we can open up any website within the app to display. To open up a website in the app, the user needs to provide the Web Viewer with a URL.

A URL is kind of like a street address - it tells the web viewer the location of the website on the internet.

5. Image Recogniser

The image recognizer lets user to take a picture and returns a one-line description for what's happening in the picture you took.

It sends a photo to Microsoft's Image Recognizer and returns a one-line description and description tags. It will also return an error if there is a problem returning a description for a given image.

Evaluation Parameters:

Ease of use: User only needs to have a proper internet connection.

Robustness: Does not have any inapp purchases and ads and less storage needed.

Security features: This app doesnot mandate login of users. So it is secure.

Scalability: Availble in further updates.