Here's a brief description of the project:

• Barrier Free Inclusive Education Technology: A speech translation application designed to break language barriers in educational settings

• Key Features:

- Real-time speech recognition in English

- Translation to multiple languages (Hindi, Marathi, French, Spanish, German, etc.)

- Text-to-speech output in the selected language

- Ability to save input and translated text as Word documents

- User-friendly graphical interface with background images and intuitive controls

• Technical Components:

- Uses Python with Tkinter for GUI

- Leverages speech recognition, Google Translate, and text-to-speech libraries

- Supports microphone input and audio playback

- Multithreaded recording to prevent UI freezing

• Educational Purpose:

- Aims to make education more accessible by providing instant language translation

- Helps students and educators communicate across language barriers

• Developed by: Prasad Vakhare, as a B.Tech IT project