

1. Team Members:

Project No: 6	
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2. Introduction:

In today's fast-paced world, students and professionals often struggle to take notes during lectures, meetings, or interviews. Missing even a few words can lead to the loss of important information.

is an intelligent speech-to-text and summarization tool that automatically transcribes spoken words into text and condenses them into concise summaries. It saves time, enhances productivity, and offers a smarter way to retain key points.

3. Project Objective:

- To develop a simple and efficient tool that converts real-time speech into accurate written text.
- To apply Natural Language Processing (NLP) techniques to summarize the transcribed content.
- To support learners, educators, and professionals in focusing on what matters most — the core ideas.

4. Target Users:

- Students – for recording and summarizing lectures.
- Professionals – to convert and condense meetings or discussions.
- Educators – to generate notes or summaries for class materials.
- People with disabilities – especially those with hearing or vision impairments, to access spoken content in written or read-aloud form.

5. Tools & Technologies:

- Programming Language: Python
- Speech Recognition: (Google API)
- Text-to-Speech: pyttsx3

- GUI: Tkinter
- File Handling: Python file I/O operations

6. Expected Outcome:

- A simple desktop app that lets you record your voice, turns it into text, and gives you a quick summary.
- It has an easy-to-use interface that shows the results as text and can also read them out loud.
- It helps students and professionals save time and work more efficiently.
- There will also be a short video to explain how it works, along with a simple written guide.