

3) AI-Powered Meeting Companion

Overview

Design an AI-powered assistant that can transcribe, summarize, and analyze meetings whether live (real-time) or recorded. The tool should help teams quickly understand what was discussed, what actions are needed, and the tone of the discussion.

Goals

Participants should build a tool that can:

1. Transcribe meeting audio in real time or from uploads
2. Generate intelligent summaries (TL;DRs, bullet points)
3. Extract action items and decisions
4. Analyze sentiment/tone per speaker
5. (Bonus) Support multiple languages

Deliverables

- Audio Ingestion: Upload MP3/WAV/MP4 or connect to a live stream
- Transcription Engine: Convert speech to text (real-time or post-processing)
- Summarization Module: Generate short summaries and meeting minutes
- Action Item Extractor: Parse tasks, owners, and deadlines
- Sentiment Analyzer: Analyze tone/emotion per speaker or per segment

Example Workflow

Upload or record audio → Transcription → Summarization → Extract tasks/decisions → Analyze sentiment → Deploy in a webpage

Web Dashboard / Visualization

- Create a web dashboard showing live translation of the meeting or recorded video.
- Understand the context of the meeting and create a place holder to view the summary of the meeting and meeting minutes

Tech stack is open-ended.

Suggestion

Think of a real-world use case that would benefit from an AI meeting assistant and build your product around that. It can be a simple web dashboard, mobile app, or even a browser extension! Use your creativity.