

Project Breakdown

Phase 1: Learning & Setup

Task	Category	Priority	Deadline	Status	Subtasks	Resources/Notes
Create Virtual Environment	Setup	High	Hour 3	Done	Create and activate virtual environment Setup React Frontend. Install Necessary Packages. Folder Structure Skeleton CRUD application	<code>python -m venv venv</code> & set interpreter in VS Code

Phase 2: Backend Development

Task	Category	Priority	Deadline	Status	Subtasks	Resources/Notes
Build Real-Time Speech Transcription	Coding	High	Hour 6	Done	Set-up config and transcribe .py backend files. Hook Up React Frontend to the API.	https://youtu.be/jc_-AIYvfKs?si=5-uO33wAMDvwPpp0
Integrate LLM for IELTS Simulation	Coding	High	Hour 10	To Do	1. Research IELTS 2. Research AI models 3. Set-up API & config .py files. 4. Hook Up React Front End 5. Figure out text-speech. 6. Integrate transcriptions and AI feedback so that it IELTS test flows in logical conversation.	Ollama - open source LLM. Hosted locally. llama3.2 - compromised on speed and efficiency but its cheap and effective . https://youtu.be/UtSSMs6ObqYsi=Ub7_073qDfioGKUk
Develop IELTS Scoring Module	Coding	High	Hour 13	To Do	Prompt engineering. Backend scoring logic.	llama3.2

Phase 3: Testing & Feedback

Task	Category	Priority	Deadline	Status	Subtasks	Resources/Notes
Test Practice Mode	Testing	High	Hour 16	To Do	Run edge cases for instant feedback	Compare results with IELTS scoring system
Test Full IELTS Test Mode	Testing	Medium	Hour 20	To Do	Check for smooth conversation transitions	Ensure minimal delay between user input and system response

Phase 4: Documentation & Demo

Task	Category	Priority	Deadline	Status	Subtasks	Resources/Notes
Write Project Documentation	Documentation	High	Hour 21	To Do	Explain setup, scoring, APIs, challenges	Include a step-by-step guide for replication
Record Demo Video	Documentation	High	Hour 22	To Do	Showcase both modes and scoring	Use screen recording software