**Internship Progress Report: Flutter AI Chatbot Project**

**Name:** Ismail Darez
**Date:** 15/01/2025
**Project Title:** AI Chatbot using Flutter and Google Generative Language API

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**Objective:**

**The objective of this internship project is to develop an AI-powered chatbot using the Flutter framework and Google Generative Language API, including the implementation of voice recognition for enhanced user interaction.**

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**Progress Summary (as of 1 novamber):**

✅ **Completed so far:**

- **Set up and verified the Flutter development environment.**

- **Created a new Flutter project named ai_chatbot.**

- **Developed a basic chatbot UI with:**

    - **A text input field.**

    - **A "Send Message" button.**

    - **A response display area.**

- **Integrated the Google Generative Language API with a separate service file (palm_api_service.dart).**

- **Added API key and tested the integration.**

- **Encountered and diagnosed a 404 error linked to Google Cloud Console settings.**

⏳ **Partially Completed:**

- **API Integration:**

    - **API call setup was completed.**

    - **Issue identified: The Generative Language API needs to be enabled in Google Cloud Console, and billing needs to be activated for full functionality.**

⏳ **Pending Tasks (Next Steps):**

- **Resolve Google Cloud Console issues:**

    - **Enable Generative Language API.**

    - **Activate billing.**

- o   **Verify API key association with the correct project.**
- **Implement voice recognition using the speech_to_text Flutter package.**
- **Conduct final testing for both text and voice inputs.**

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**Progress Percentage:**

- **Current Progress: 75% Complete**
- **Remaining Work: API Fixes, Voice Recognition, Final Testing & Documentation.**

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**Conclusion:**

**Today's progress included setting up the Flutter project, integrating the API, and identifying the key issue related to Google Cloud Console settings. Moving forward, the focus will be on resolving the API error and implementing the voice recognition feature, as it is a key part of the internship requirements.**

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