Project Report Format

1. INTRODUCTION

1.1 Project Overview

1.2 Purpose

2. IDEATION PHASE

2.1 Problem Statement

2.2 Empathy Map Canvas

2.3 Brainstorming

3. REQUIREMENT ANALYSIS

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3.2 Solution Requirement

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3.4 Technology Stack

4. PROJECT DESIGN

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4.2 Proposed Solution

4.3 Solution Architecture

5. PROJECT PLANNING & SCHEDULING

5.1 Project Planning

6. FUNCTIONAL AND PERFORMANCE TESTING

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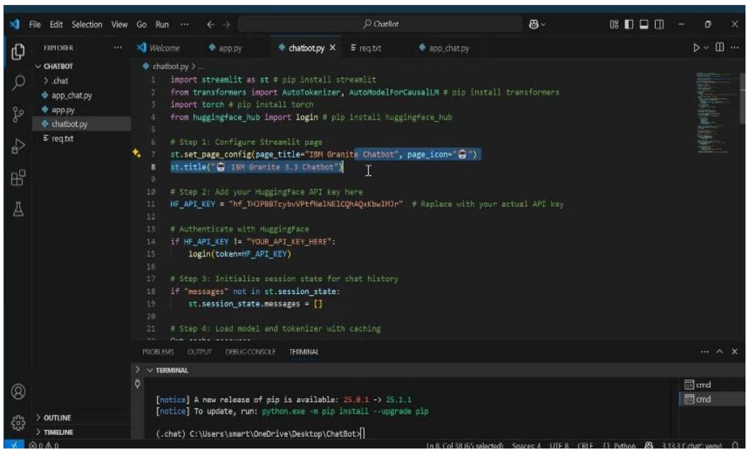
7. RESULTS



```python
import streamlit as st # pip install streamlit
from transformers import AutoTokenizer, AutoModelForCausalLM # pip install transformers
import torch # pip install torch
from huggingface_hub import login # pip install huggingface_hub

# Step 1: Configure Streamlit page
st.set_page_config(page_title="IBM Granite Chatbot", page_icon="🤖")
st.title("🤖 IBM Granite 3.3 Chatbot")

# Step 2: Add your HuggingFace API key here
HF_API_KEY = "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"  # Replace with your actual API key

# Authenticate with HuggingFace
if HF_API_KEY != "YOUR_API_KEY_HERE":
    login(token=HF_API_KEY)

# Step 3: Initialize session state for chat history
if "messages" not in st.session_state:
    st.session_state.messages = []

# Step 4: Load model and tokenizer with caching
```

```
[notice] A new release of pip is available: 25.0.1 -> 25.1.1
[notice] To update, run: python.exe -m pip install --upgrade pip

(.chat) C:\Users\smart\OneDrive\Desktop\ChatBot>
```

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8. ADVANTAGES & DISADVANTAGES

8.1 Advantages

1. Improved Public Service Efficiency
2. Data-Driven Decision Making
3. Greater Transparency and Accountability

8.2 Disadvantages

1. Privacy and Data Security Concerns
2. Bias and Discrimination in AI Algorithms
3. Digital Divide and Accessibility Issues

9. CONCLUSION

Citizen AI enhances government-citizen interaction by delivering smarter, faster, and more personalized public services. With responsible use, it can foster transparency, trust, and inclusive civic engagement.

10. FUTURE SCOPE

Citizen AI platforms have a promising future in enhancing participatory governance by enabling data-driven, personalized citizen engagement. They will play a key role in improving transparency, trust, and responsiveness in public services.

11. APPENDIX

Source code: VS code

Demo link: https://drive.google.com/file/d/10bkQzmHq-CccFdKE1CMdqOZ7kpl8SQlP/view?usp=drivesdk

Github link: https://github.com/Serayu882/Citizen-AI-Project.git