**Project Setup Guide: Real-Time SMS Spam Filter**

Follow the steps below to set up and run the project:

1. Unzip the Project Folder

2. Extract the contents of the ZIP file to a preferred location.

3. Open Visual Studio Code.

4. Click on File > Open Folder... and select the extracted project folder.

5. Open a New Terminal in VS Code

6. Go to Terminal > New Terminal from the top menu. –

7. Please Cheak whether  you're in the root of the project directory.

8. Activate the Virtual Environment (smsenv)

9. In the terminal, run:

   **Set-ExecutionPolicy -Scope Process -ExecutionPolicy Bypass** (optional if below command is not working)

   **smsenv\Scripts\activate**

10. You'll see (smsenv) at the beginning of the terminal prompt.

11. Install Required Python Packages

12. -Run the following command: **pip install -r requirements.txt**  This will install all dependencies needed for the app.

13. Run the Application In the terminal, run: **python app.py**

14. . Access the Web Interface  After starting, the terminal will show: Running on local URL:

    **http://127.0.0.1:7860**

15. Open this URL in your browser to use the app

17. **Create a Telegram Bot**

    1. **Open Telegram App** > Search for > **@BotFather**

    2. **Create Your Bot** > Send: **/newbot**

       Follow the instructions:

       Enter a name (e.g., SMSSpamFilterBot)

       Enter a username (must end with bot, e.g., spamfilter_helper_bot)

    3. Copy the Bot Token

          After successful creation, BotFather will give you:

       Use this token to access the HTTP API:

       Its look like this > **11111111:ABCdefGhIJKlmNOPQRstuvWXyZ**

          Save this token safely. You'll need it in your code.