Weekly Project Report

Implementation of Project
Step 1 : Dataset Finding & Collection
Performed by M. Abubakar
This week our main focus was to collect reliable data. We analyzed different website like ERA5, Climate data store e.t.c. Dataset is specifically for Pakistan.
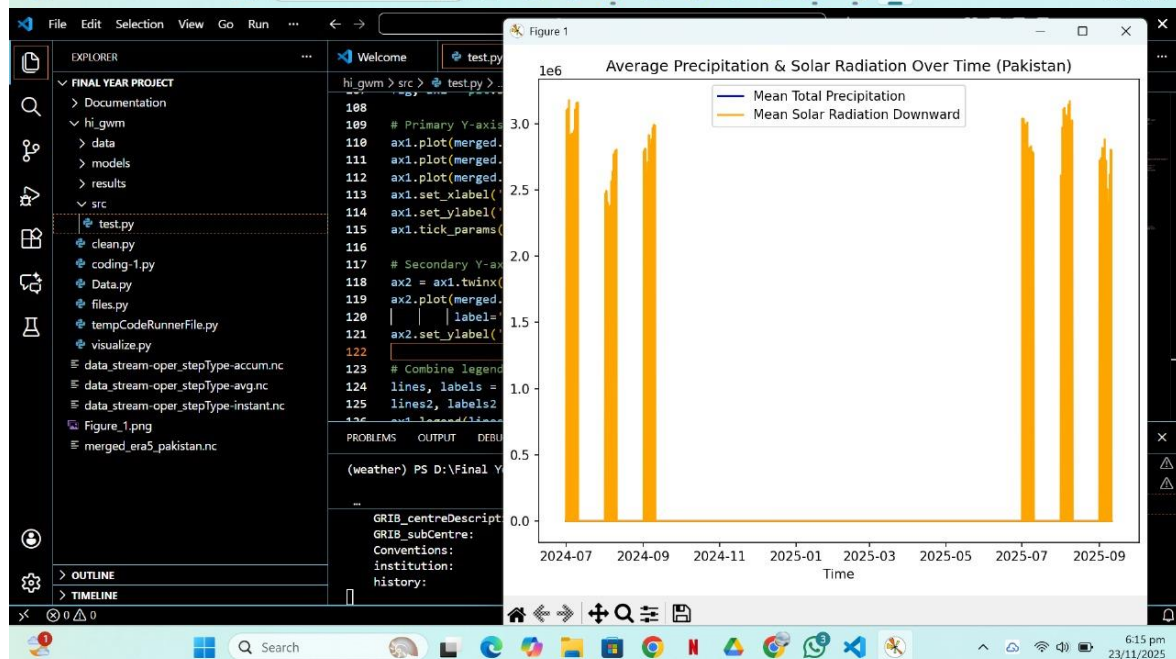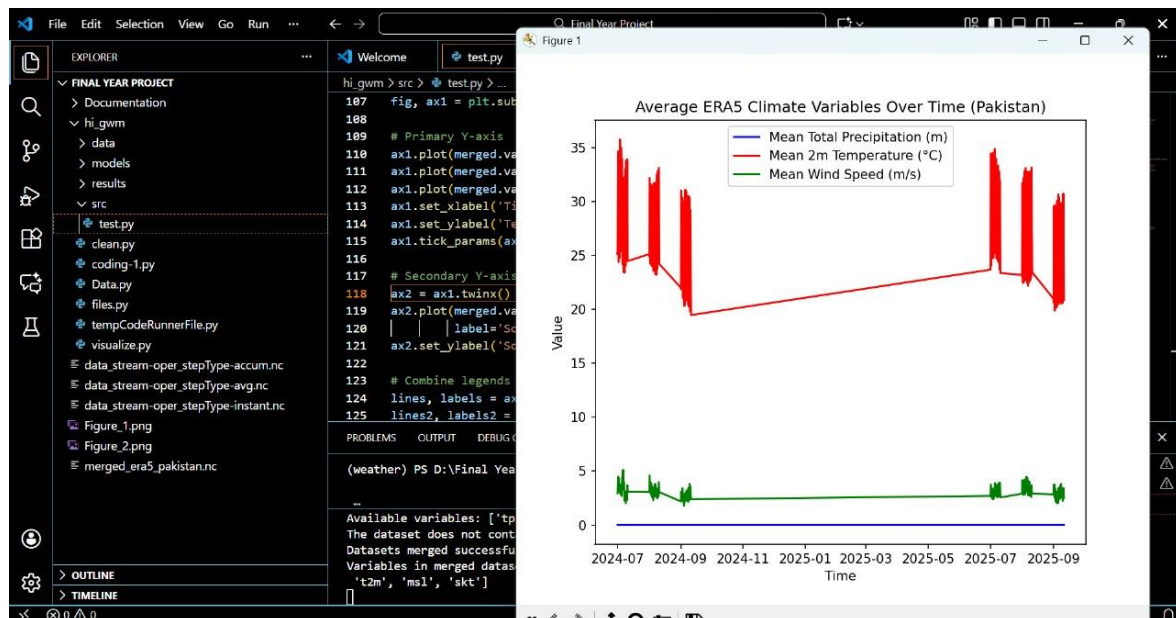
Step 2 : Environment Setup
Performed by M. Awais illyas
A dedicated Python environment was created to run our preprocessing and model related code. All required libraries were installed and tested.

Step 3 : Data Cleaning & Initial Exploration
Performed by M. Zeeshan Asif
Firstly we analyzed dataset so that we get to know which type of variables this dataset contains. Then we started to clean dataset.

Testing the Setup
Performed by M. Zeeshan Asif
We verified that the environment works correctly by loading sample ERA5 files and generating initial outputs and visualizations.
Overall Progress
The dataset has been collected and basic preparation steps have been completed. The environment is ready for further processing and model development.
Tasks Executed by Members

- Muhammad Abubakar : Dataset Collection
- Muhammad Awais illyas : Environment Setup and Related Article Reading
- Muhammad Zeeshan Asif : Data Cleaning and Testing