**READ-ME FILE (Average temperature Prediction for a City)**

**Introduction**

This project aims to predict average temperature of a city using different features and machine learning techniques. The code provided here preprocesses the data, trains machine learning models, evaluates their performance, and makes predictions on new data.

**Setup**

1. **Clone with Repository**: Clone this repository to your local machine using the following github link. ( <https://github.com/Rakshanaa2026/iitm_shaastra24.git> )
2. **Offline Complier**: Create a python file and copy the code from our ‘Shaastra\_Hackelite\_code.docx’ file. Make sure you have Python installed on your machine.
3. **Online Complier (collab)**: Open a new notebook, connect with runtime and then paste the code.

**Usage**

1. **Prepare Data**: Place your training dataset named **train.csv** and test dataset named **test.csv** and sample submission file as **sample\_submission.csv** in the project directory.
2. **Run the Code**: Change the path of file according to where the dataset is placed. Save and then Execute the Python script.
3. **View Results**: After running the code, you will find the predicted deaths saved in a file named **submission.csv** in the project directory.