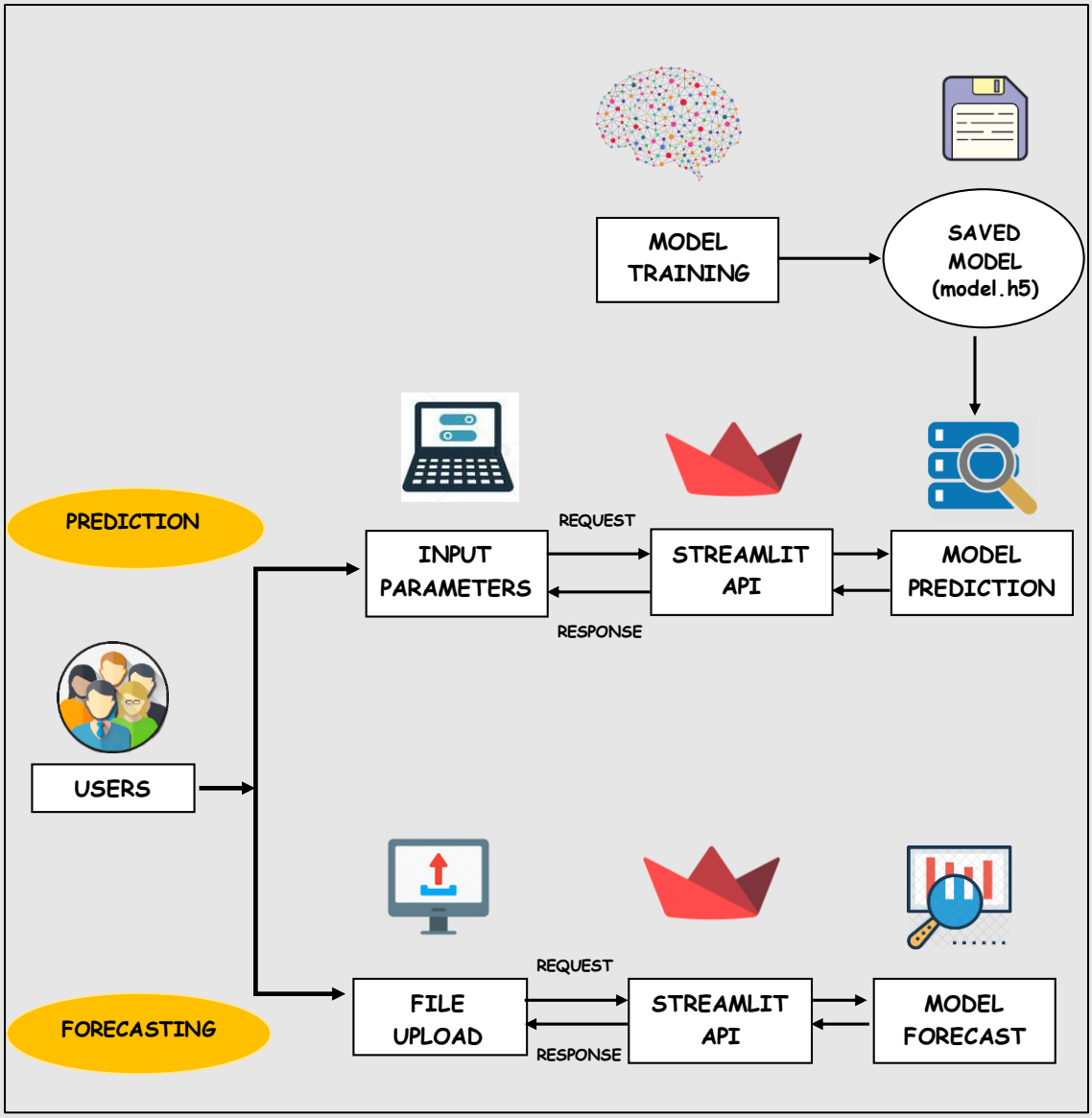
Date	01 November 2022
Team ID	**PNT2022TMID05596**
Project Name	**PREDICTING THE ENERGY OUTPUT OF WIND TURBINE BASED ON WEATHER CONDITION**
Maximum Marks	4 Marks

DATA FLOW DIAGRAM

The flow of the application is as follows:

➡️ The starting part of the application is the **User Interface (UI).** As the web application is visited by the user, a simple get request is sent from the streamlit frontend to the backend. This request, signals the backend server to run the model file.



➡️ Our Bi-LSTM requires some input dataset for the **model to predict the future values**. This data is then converted into the required format and sent as the input for the model to get the required predictions for 24 hours ahead.

➡️ Once this data is provided to the model it **starts the calculation** and provides the necessary output.

➡️ When the models provide the output, the server sends these outputs as the response to the request and these values are **displayed in the User Interface**.