Project Development Phase
User Acceptance Testing (UAT)

Date	18 February 2026
Team ID	LTVIP2026TMIDS90282
Project Name	Weather-Based Prediction of Wind Turbine Energy Output: A Next-Generation Approach to Renewable Energy Management
Maximum Marks	

User Acceptance Testing(UAT):

A UI is provided for the uses where he has to enter the values for predictions. The enter values are given to the saved model and prediction is showcased on the UI.

This section has the following tasks

- Building HTML Pages
- Building serverside script

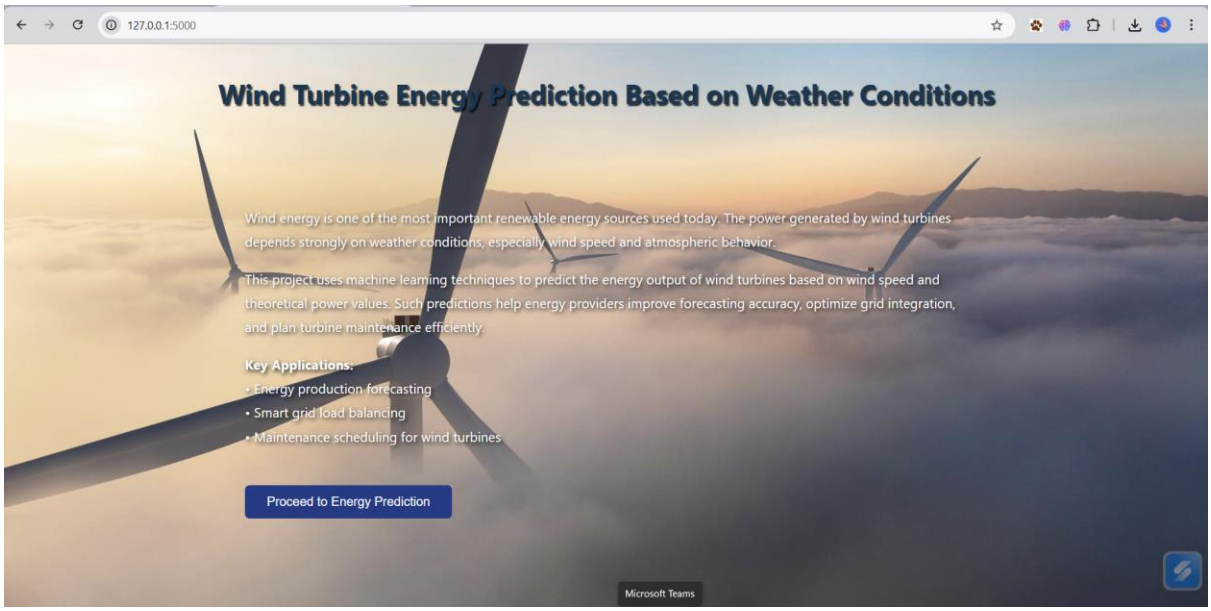
Activity1: Building Html Pages:

For this project create three HTML files namely

- into.html
- predict.html

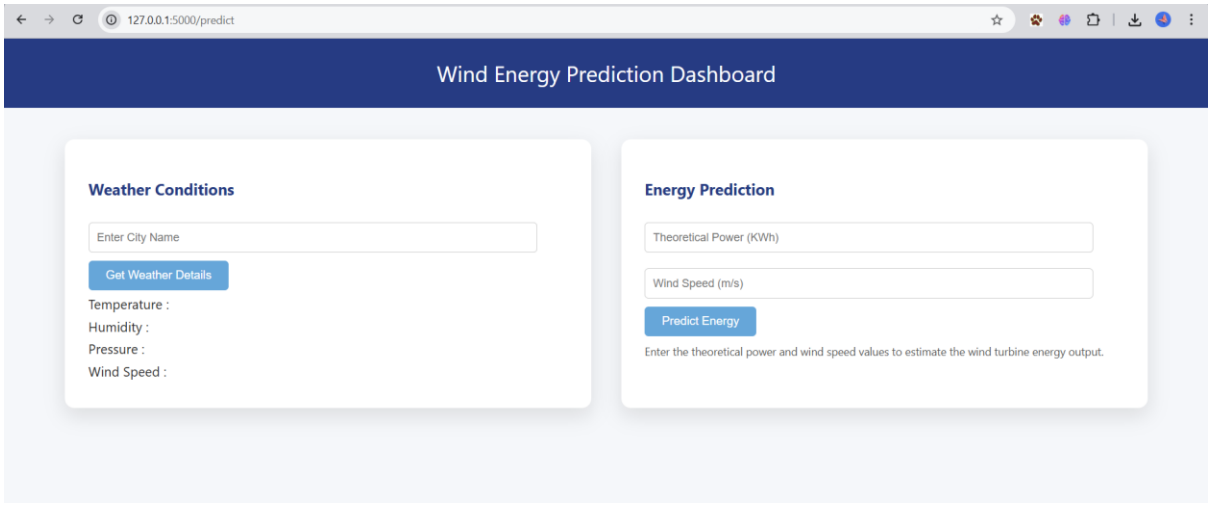
and save them in templates folder.

Let's see how our intro.html page looks like:

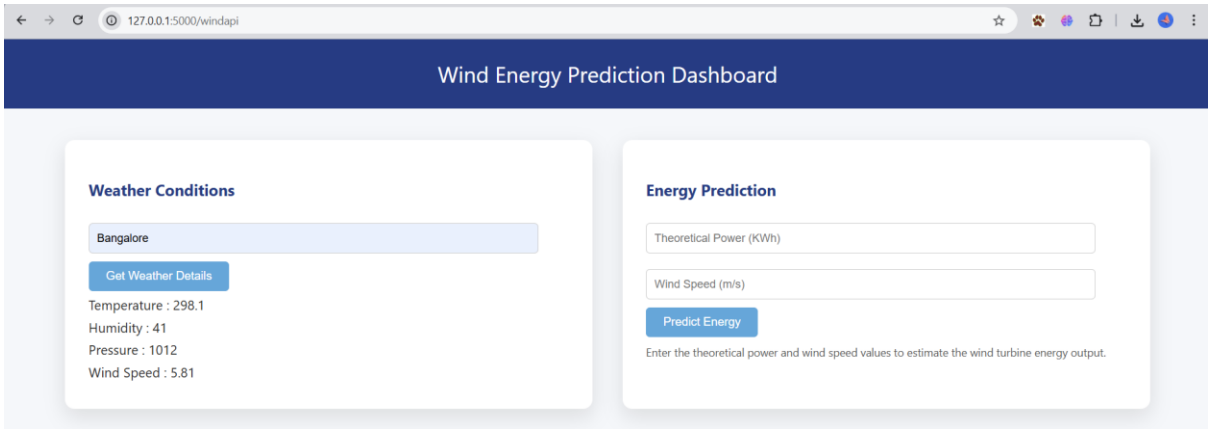


Now when you click on predict button from bottom you will get redirected to predict.html

Let’s look how our predict.html file looks like:



After entering a city name and click Get Weather Details but to show these details.



After giving details like Theoretical Power and Wind Speed and click Predict Energy button: