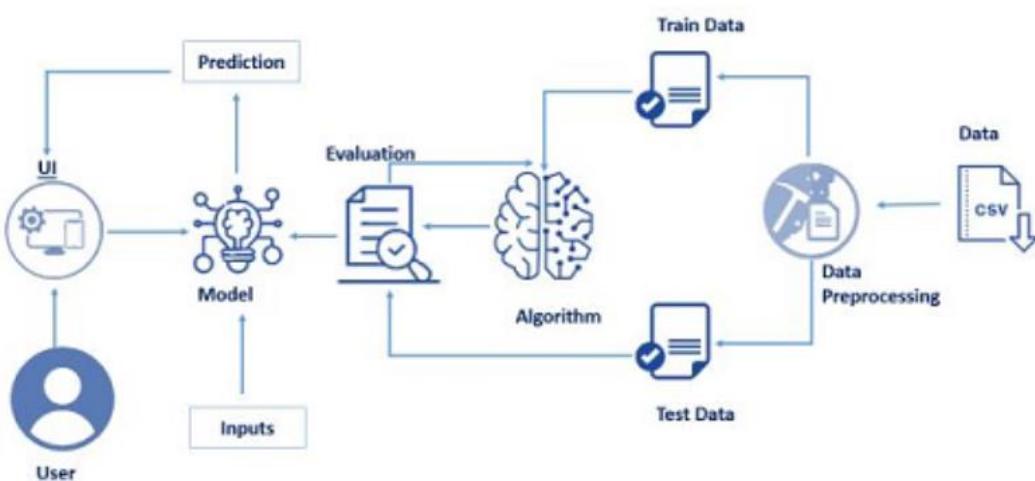


Project Design Phase-I Solution Architecture

| | |
|---------------|---|
| Date | 02-11-2022 |
| Team ID | PNT2022TMID42592 |
| Project Name | Predicting the energy output of wind turbine based on weather condition |
| Maximum Marks | 4 Marks |

Solution Architecture:



PROJECT:

- User interacts with the UI (User Interface) to enter Data.
- The entered data is analyzed by the model which is integrated.
- Once model analyses the input the prediction is showcased on the UI

Data Collection:

- Collect the dataset or create the dataset

Data Preprocessing:

- Import the Libraries.
- Importing the dataset.
- Checking for Null Values.
- Data Visualization.
- Taking care of Missing Data.
- Label encoding.
- One Hot Encoding.
- Feature Scaling.
- Splitting Data into Train and Test.

Model Building:

- Training and testing the model
- Evaluation of Model

Application Building:

- Create an HTML file
- Build a Python Code