Title and year :

Predicting wind turbine power generation based on weather condition in the 4th year.

Problem Statement :

- ✓ Wind energy plays an increasing role in the supply of energy world wide.
- ✓ Extracting electricity from renewable resources has been widely investigated in the past decades to decrease the worldwide crisis in the electrical energy and environmental pollution.
- ✓ The climatic conditions present in the site decides the power output of a wind farm.
- ✓ Wind power availability is not known in advance, this causes problems for wind farm operators in terms of system and energy planning.
- ✓ A precise forecast is required to overcome the difficulties.
- ✓ If the output is forecasted accurately, energy providers can keep away from costly overproduction.
- ✓ In this paper, a web application has been developed to predict and forecast the wind turbine's power generation based on the weather conditions.

-511319104070 (Team lead)

-511319104056

-511319104067

-511319104073