

**Problem
statement**

Date	21 October 2022
Project Name	Predicting The Energy output of wind turbine based on weather condition
Team ID	PNT2022TMID25491
Maximum Marks	2 Marks

During the development of generator part for wind turbine, the analysis of each element need to be criticized so that the specific component used can be known. The details of type of material used also must consider in order determining the production of generator part of wind turbine experiment.

Therefore, analysis must be done in order to know the strength and weakness of making the generatorpart in order to produce the output voltage

The ongoing project involves the design of a wind turbine energy conversion system that can be integrated to electrical power grid in the co over hall power lab. It also includes a display system to indicate the output power from the wind turbine. The generator is rated around 400W. The wind turbine will be installed on the roof of the co over hall. All the protection and control aspects of the conversion system become part of the design. The extension of the project includes the design requirements to supply stand alone load in conjunction with the grid supply.