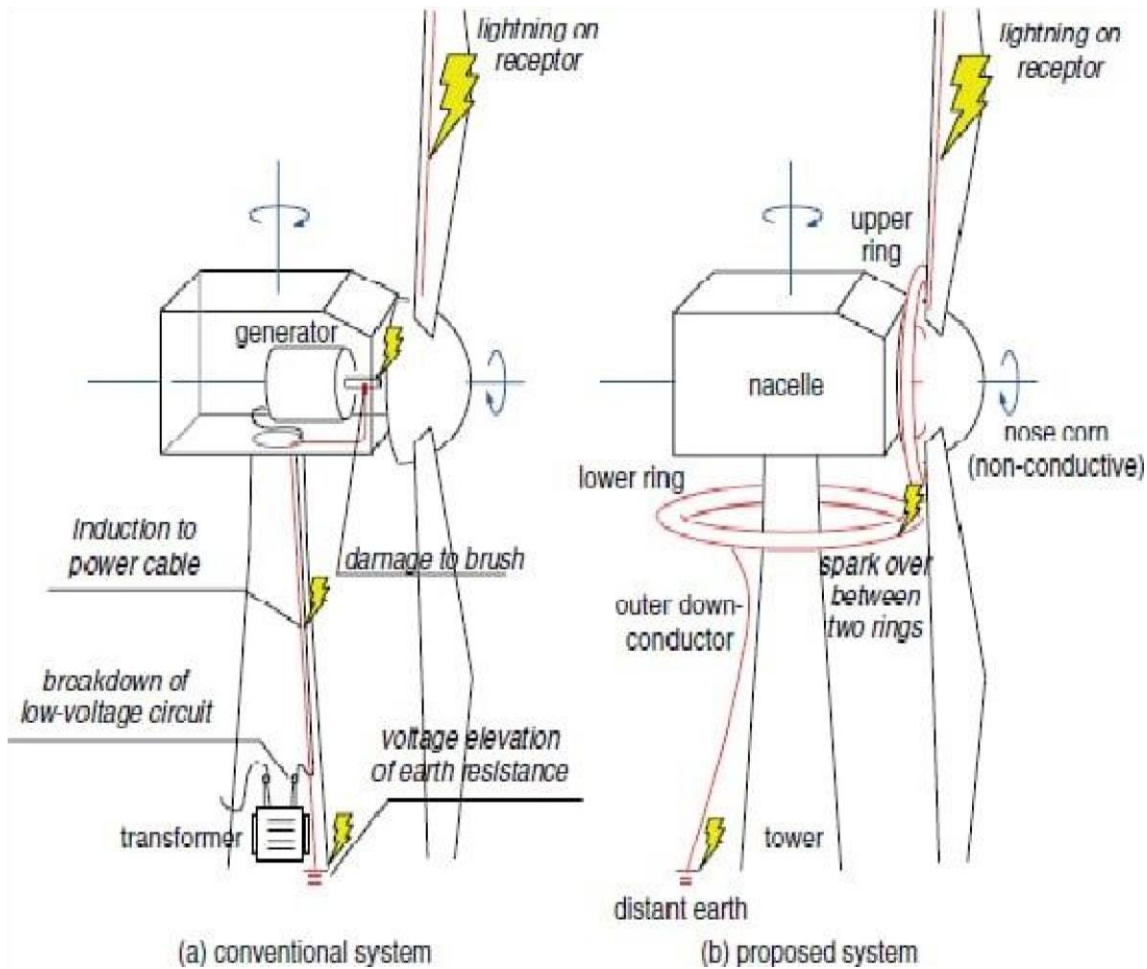# Project Design Phase II

Technology Architecture

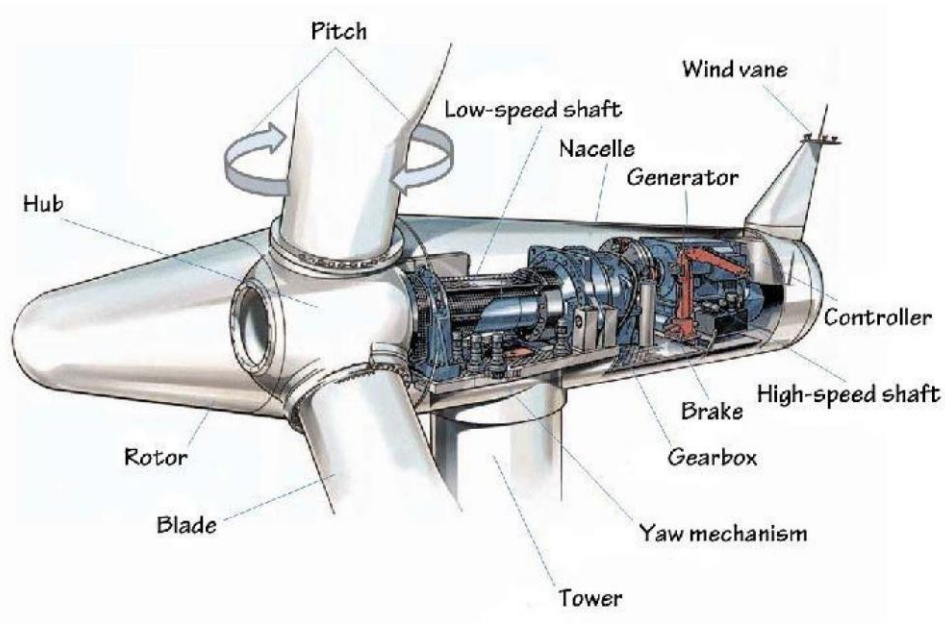| Team ID	PNT2022TMID39504
Project Name	Predicting the energy output of wind turbine based on weather conditions

MODEL FOR PREDICTING THE ENERGY OUTPUT OF WIND TURBINE:

Diagram 1:

(a) conventional system   (b) proposed system

Diagram 2. The major components of a wind turbine

Pitch

Wind vane

Low-speed shaft

Nacelle

Generator

Hub

Controller

High-speed shaft

Brake

Rotor

Gearbox

Blade

Yaw mechanism

Tower