

Project proposal outlines:

1. Tentative title
2. Introduction
3. Existing method
4. Problem identification
5. Problem rectification (proposed method)

1. Title:

Design and Performance improvement of low wind speed wind turbine airfoils.

2. Introduction:

India is one of the development countries. It not a developed country. Then India is mostly around the agriculture land in 50% of earth. The wind turbine is used to generate the electricity and this electricity is used to agriculture and other domestic purpose of the real time.

3. Existing method:

The already variety of wind turbine airfoil is available here but that wind turbine make in NACA series airfoils.

4. Problem identification:

- NACA series type airfoils are not generating the electricity at low wind speed .due to low lift and drag coefficient produced. so do not self start the turbine.
- That time some initial torque is given to run the turbine.

5. Problem rectification (proposed method):

The wind turbine airfoil is replaced from NACA series type to FX (waving type) airfoils.