

Project Title: Predicting the Energy output of Wind Turbine based on Weather Condition

Project Design Phase-I - Solution Fit Template

Team ID: PNT2022TMID39504

<p>1. Customer segment CS</p> <p>Who are all getting affected by the implementation of Wind turbine</p>	<p>6. CUSTOMER CONSTRAINTS CC</p> <p>⇒ Large area should not be covered in land side (for off location) ⇒ Should construct over a hills ⇒ Technology immaturity</p>	<p>5. AVAILABLE SOLUTIONS AS</p> <p>Pros of wind energy ⇒ Low operating cost ⇒ wind energy is a job creator Cons of wind energy ⇒ Noise and Visual pollution ⇒ wind power is remote</p>
<p>2. JOBS-TO-BE-DONE / PROBLEMS JP</p> <p>⇒ It is unpredictability ⇒ It is a threat to wildlife ⇒ It requires large area of land</p>	<p>9. PROBLEM ROOT CAUSE RC</p> <p>⇒ Problem exist based on the weather conditions because the weather can't predicted ⇒ It affects the turbines and the fault occurs and the production power will to reduced</p>	<p>7. BEHAVIOUR BE</p> <p>Analysis and research with the patience while address their problems and deal with smart manner.</p>
<p>3. TRIGGERS TR</p> <p>⇒ Issues with equilibrium ⇒ Night terrors ⇒ unappealing aesthetically</p>	<p>10. YOUR SOLUTION SL</p> <p>⇒ There are many analysis available for this project ⇒ At Least we reduce the heat while the turbine are in running so we have fix the cooling machines</p>	<p>8. CHANNELS of BEHAVIOUR CH</p> <p>⇒ Online: ⇒ Learn some technical knowledge about wind turbines. ⇒ Offline: ⇒ Learn how to implement the turbine in practical</p>

4. EMOTIONS: BEFORE / AFTER

EM

Before:

⇒ **Negativity about the turbine project, feeling depressed about human health.**

After:

⇒ **They felt positivity because of consuming electricity**
⇒ **They are secure about the health**

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