

Project Design Phase-I - Solution Fit Template

Project Title: Predicting The Energy Output Of Wind Turbine Based On Weather Condition

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Define CS, fit into CC	<div>CS</div> <h3>1. CUSTOMER SEGMENT(S)</h3> <ul style="list-style-type: none"> Grid operators Energy suppliers Environmentalists 	<div>CC</div> <h3>6. CUSTOMER CONSTRAINTS</h3> <ul style="list-style-type: none"> Without installing devices in the turbine 	<div>AS</div> <h3>5. AVAILABLE SOLUTIONS</h3> <p>The existing systems are based on</p> <ul style="list-style-type: none"> Physical parameters of turbine 	Explore AS, differentiate
Focus on J&P, tap into BE, understand RC	<div>J&P</div> <h3>2. JOBS-TO-BE-DONE/PROBLEM</h3> <ul style="list-style-type: none"> Providing a reliable deep learning model for prediction. 	<div>RC</div> <h3>9. PROBLEM ROOT CAUSE</h3> <ul style="list-style-type: none"> Over production Climatic changes 	<div>BE</div> <h3>7. BEHAVIOUR</h3> <ul style="list-style-type: none"> Customers spend a lot of time and effort to forecast the wind power. 	Focus on J&P, tap into BE, understand RC
Identify strong TR & EM	<div>TR</div> <h3>3. TRIGGERS</h3> <ul style="list-style-type: none"> Save renewable energy for future. Cost of overproduction. <div>EM</div> <h3>4. EMOTIONS: BEFORE / AFTER</h3> <ul style="list-style-type: none"> Confusion => Confident (early wind power prediction) 	<div>SL</div> <h3>10. YOUR SOLUTION</h3> <ul style="list-style-type: none"> User defined values prediction City-based prediction Future forecasting. Compatible with all devices. 	<div>CH</div> <h3>8. CHANNELS of BEHAVIOUR</h3> <h4>8.1 ONLINE</h4> <p>Using websites based on turbine data.</p> <h4>OFFLINE</h4> <p>Using sensors.</p>	Extract online & offline CH of BE

