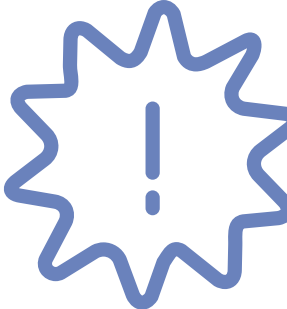
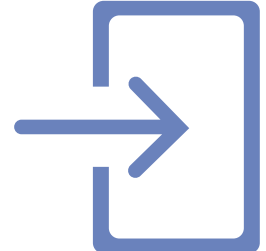
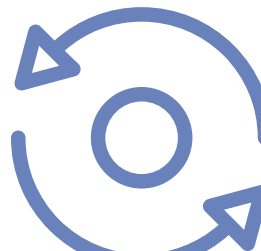
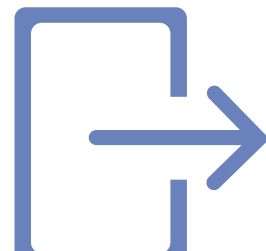

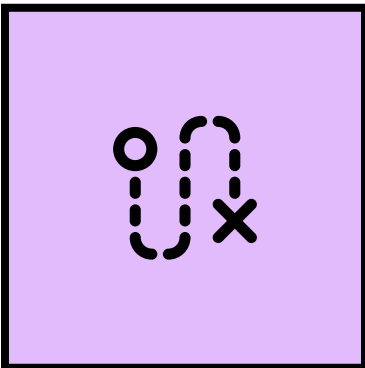
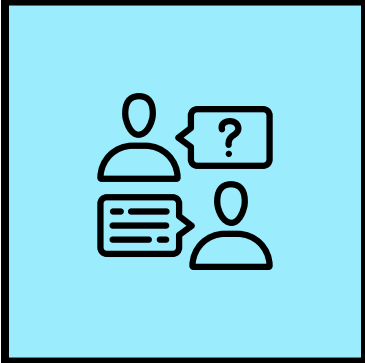
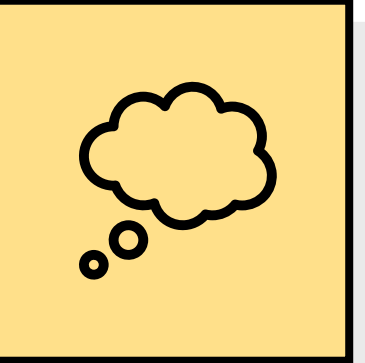
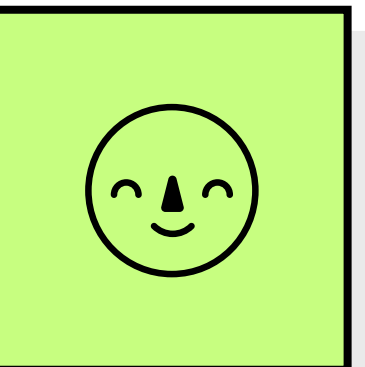
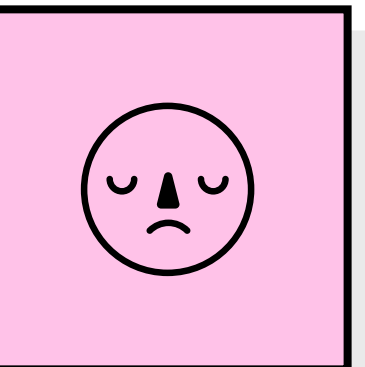
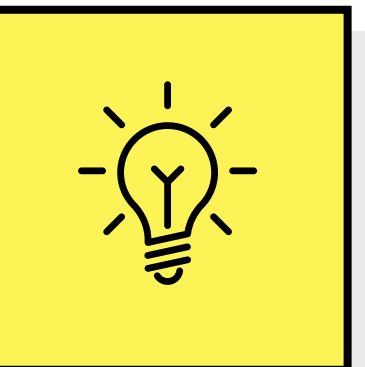


<div><div>SCENARIO</div><div>Browsing, booking, attending, and rating a local city tour</div></div> <div>Title :Predicting the energy output of wind turbine based on weather condition</div> <div>Team ID: PNT2022TMID29943</div>	<div></div> <div>Entice</div> <div>How does someone initially become aware of this process?</div>	<div></div> <div>Enter</div> <div>What do people experience as they begin the process?</div>	<div></div> <div>Engage</div> <div>In the core moments in the process, what happens?</div>	<div></div> <div>Exit</div> <div>What do people typically experience as the process finishes?</div>	<div></div> <div>Extend</div> <div>What happens after the experience is over?</div>
<div><div></div><div>Steps</div><div>What does the person (or group) typically experience?</div></div>	<div><div><div>Train the model with the previous data</div><div>Use the real time data for prediction</div></div><div><div>Visualize the Training happening with various fields</div><div>Give the real time weather data and other parameters to the model</div></div></div>	<div><div><div>Customize the model</div><div>Train the model</div><div>Perform Power Output prediction</div></div><div><div>Take the generic model and make it specific for that particular Wind mill</div><div>With the specific inputs train the model for that particular Windmill</div><div>With the weather parameters and history as input perform power prediction.</div></div></div>	<div><div><div>Power Output</div><div>Grid Management</div></div><div><div>The predicted power output based on our ML Model</div><div>With the Predicted power output we will be able to Integrate the</div></div></div>	<div><div><div>Error Calculation</div><div>Store the data and calculate accuracy</div></div><div><div>Calculate the error between predicted and Actual power output</div><div>Store the data for future prediction and update the ML Model</div></div></div>	<div><div><div>Centralized Control</div><div>Increased Efficiency</div></div><div><div>The prediction model for all can be controlled from a central hub</div><div>Being able to predict the power the production efficiency can be increased.</div></div></div>
<div><div></div><div>Interactions</div><div>What interactions do they have at each step along the way?<ul style="list-style-type: none">■ People: Who do they see or talk to?■ Places: Where are they?■ Things: What digital touchpoints or physical objects would they use?</div></div>	<div><div><div>The Customer Buys our Prediction software</div></div></div>	<div><div><div>Weather Forecast shows the weather for routine days</div></div></div>	<div><div><div>It shows the Wind speed at the location of the particular wind mill</div></div></div>	<div><div><div>Customer's email</div><div>Feedback from the customer</div></div></div>	<div><div><div>Customer Support in setup of the ML Model</div></div></div>
<div><div></div><div>Goals & motivations</div><div>At each step, what is a person's primary goal or motivation? (“Help me...” or “Help me avoid...”)</div></div>	<div><div><div>Help in getting power output</div><div>Helps in avoiding power loss</div></div></div>	<div><div><div>Provides faster prediction time</div></div></div>	<div><div><div>Helps in avoiding power loss</div></div></div>	<div><div><div>Helps in grid integration</div></div></div>	
<div><div></div><div>Positive moments</div><div>What steps does a typical person find enjoyable, productive, fun, motivating, delightful, or exciting?</div></div>	<div><div><div>Power output prediction without any manual calculation.</div></div></div>	<div><div><div>Modern Technology has made power output prediction simple</div></div></div>		<div><div><div>Companies has found this ML model useful and opted for using it</div></div></div>	
<div><div></div><div>Negative moments</div><div>What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?</div></div>	<div><div><div>Irregular weather patterns proves difficult for predicting</div></div></div>				
<div><div></div><div>Areas of opportunity</div><div>How might we make each step better? What ideas do we have? What have others suggested?</div></div>	<div><div><div>Increase in use of Wind Energy</div></div></div>	<div><div><div>New Companies emerge increasing the production of renewable energy</div></div></div>			