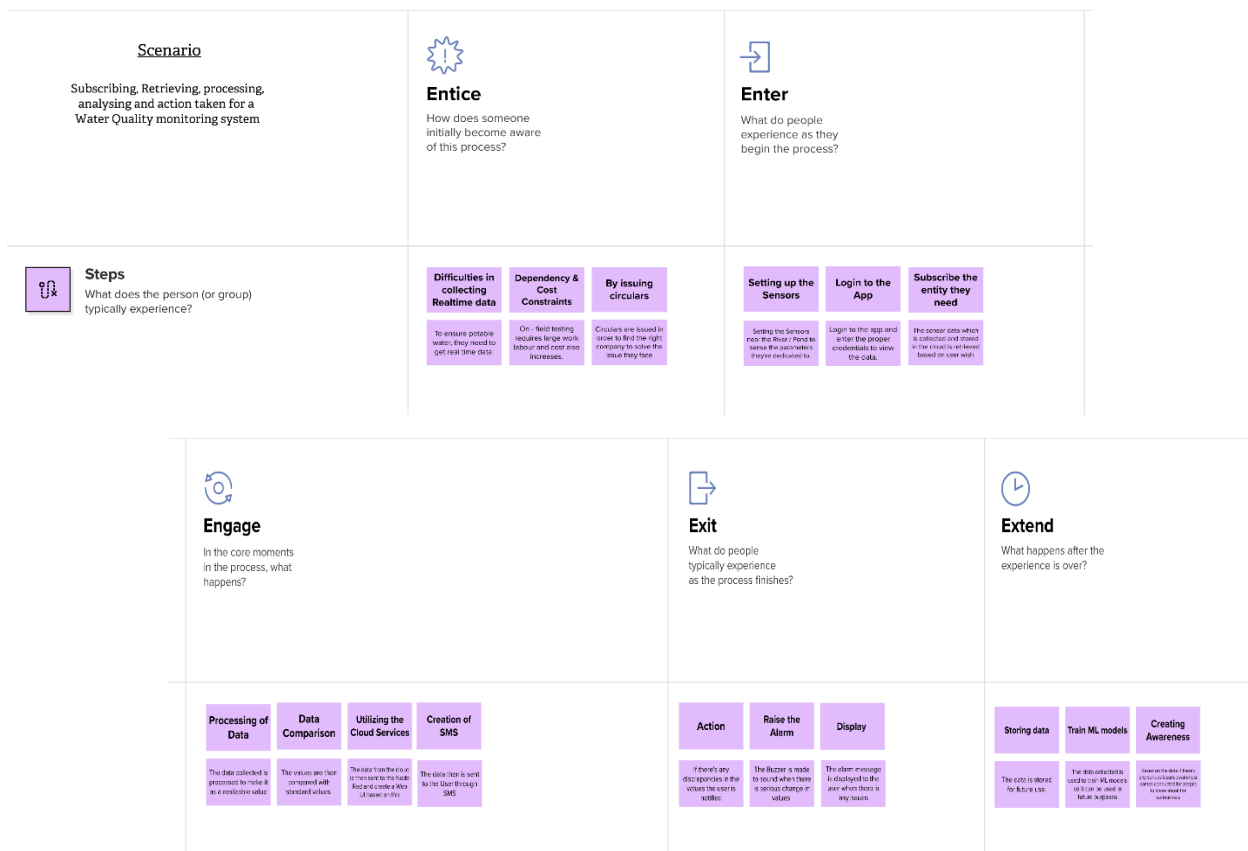




Project Design Phase – II




Customer Journey Map

Date	18 October 2022
Team ID	PNT2022TMID12777
Project Name	Project – Realtime River Water Quality Monitoring and Control System
Maximum Marks	4 Marks



 <h3>Interactions</h3> <p>What interactions do they have at each step along the way?</p> <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>They think that our solution can be used as the way of the user without any effort on the other hand it is.</div> <div>The user has to be dependent on large amount of data to get the real-time data.</div> <div>The user has to be interested in the response contents regarding the solution for the problem.</div> <div>They go to the best site and co-ordinate the things for testing.</div> <div>The user also has to interact with the surrounding people to cooperate with them.</div> <div>They set up the equipment for the testing.</div> <div>The equipment used for the testing is costly.</div>	<div>The setting up of the equipment takes lesser effort and time.</div> <div>The user interact with the app for initial setup.</div> <div>The user interact with the app to subscribe to the entity they desire.</div> <div>They go to the concerned place and place the set up.</div>
 <h3>Goals & motivations</h3> <p>At each step, what is a person's primary goal or motivation? ("Help me..." or "Help me avoid...")</p>	<div>Help me to get real-time data.</div> <div>Help me to avoid cost constraints and dependency on others.</div> <div>Help me to learn about the view or whether my opinion is the right solution.</div>	<div>Help me to choose better sensor's for accurate sensing of data.</div> <div>Help me to login into the app.</div> <div>Help me to find and subscribe to the entity I desire.</div>

<div>The user wait for any distress messages or signals from the setup.</div> <div>The user wait for any distress messages or signals from the setup.</div> <div>The user wait for any distress messages or signals from the setup.</div> <div>The user wait for any distress messages or signals from the setup.</div>	<div>The user looks for clear sound and in any distress message in LCD display.</div> <div>The user is alerted because of the sound from device.</div> <div>The user is notified through SMS or view in app in the display for distress messages.</div>	<div>The user make sure that the processed data is loaded in the cloud database.</div> <div>The user uses trained models to forecast the upcoming situations.</div> <div>The user interact with the people to create awareness about water quality.</div> <div>The user provides guidelines to make further better clear.</div>
<div>Help me to get accurate data values.</div> <div>Help me to not whenever the data collected is below the level of good for value.</div> <div>Help me to get any distress signal if there is any discrepancy in the value.</div> <div>Help me to get distress signals through SMS.</div>	<div>Help me to avoid distress signal by notifying the situation.</div> <div>Help me to avoid distress situation by warning me using the alarm.</div> <div>Help me to visualize data using LCD displays.</div>	<div>Help me to store the processed data in the cloud.</div> <div>Help me to train ML Models to forecast the situations.</div> <div>Help me to send this information to alert the people to create awareness among the people.</div>

 <h3>Positive moments</h3> <p>What steps does a typical person find enjoyable, productive, fun, motivating, delightful, or exciting?</p>	<div>Real-time data can help to detect the situation in a more efficient way.</div> <div>Usage of sensors can reduce the cost as well as make the set up more simple.</div>	<div>Because of usage of trained ML models, the user can efficiently foresee the data.</div>
 <h3>Negative moments</h3> <p>What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?</p>		<div>The Sensors used may some time give faulty values.</div>
 <h3>Areas of opportunity</h3> <p>How might we make each step better? What ideas do we have? What have others suggested?</p>		<div>We can use some other efficient models to retrieve data.</div>
<div>The user is confused with multiple values only.</div> <div>Due to usage of SMS the user can efficiently detect the data.</div> <div>The app interface may also come time to make it more user friendly.</div> <div>The observed value may if any problem the setup that has to be changed.</div> <div>Setting up of the may take some time.</div>		<div>The data reported are notified by buzz sound too.</div> <div>Due to usage of ML models we can train the user can efficiently foresee the upcoming situations.</div> <div>With the data available we can use models to train to make the water quality.</div> <div>To detect ML model we need programs.</div>
<div>We can use some other efficient models to retrieve data.</div> <div>Instead of having use can use our own trained models to detect the data.</div>		<div>We can use better ML model to train user about the upcoming situations better way.</div> <div>With only movements that ML model can make about the upcoming situations.</div>



Realtime River Water Quality Monitoring and Control System

Scenario	Entice	Enter	Engage	Exit	Extend
<p>Scenario</p> <p>Substituting Realtime Processing of data for water quality data in Water Quality Monitoring System</p>	<p>Entice</p> <p>How does someone initially become aware of this process?</p>	<p>Enter</p> <p>What do people experience as they begin the process?</p>	<p>Engage</p> <p>In the early moments in the process, what happens?</p>	<p>Exit</p> <p>What do people typically experience as the process strategy?</p>	<p>Extend</p> <p>What happens after the experience is over?</p>
<p>Steps</p> <p>What steps does the process (or group) typically experience?</p>	<p>Definition in Realtime data</p> <p>On-line processing of data from sensors in the field</p> <p>Dependency & Constraints</p> <p>On-line processing of data from sensors in the field</p> <p>By using structure</p> <p>On-line processing of data from sensors in the field</p>	<p>Setting up the sensors</p> <p>Setting up the sensors in the field</p> <p>Logins to the app</p> <p>Logins to the app in the field</p> <p>Realtime data need</p> <p>Realtime data need in the field</p>	<p>Processing of Data</p> <p>The data is processed in the field</p> <p>Data Comparison</p> <p>The data is compared to the data from the sensors in the field</p> <p>Utilizing the Cloud Services</p> <p>The data is stored in the cloud</p> <p>Creation of SaaS</p> <p>The data is stored in the cloud</p>	<p>Action</p> <p>The data is processed in the field</p> <p>Raise the Alarm</p> <p>The data is compared to the data from the sensors in the field</p> <p>Display</p> <p>The data is displayed on the screen</p>	<p>Spring data</p> <p>The data is processed in the field</p> <p>Task M. module</p> <p>The data is compared to the data from the sensors in the field</p> <p>Creating Awareness</p> <p>The data is displayed on the screen</p>
<p>Interactions</p> <p>What interactions do they have at each step along the way?</p> <ul style="list-style-type: none"> People: Who do they see or talk to? Places: Where are they? Things: What digital landscape is or physical objects would they use? 	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>
<p>Goals & motivations</p> <p>What steps does a typical person have to complete to achieve their primary goal or motivation?</p> <p>["help me..." or "help me avoid..."]</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>
<p>Positive moments</p> <p>What steps does a typical person have to complete to achieve their primary goal or motivation?</p> <p>refreshing, delightful, or exciting?</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>
<p>Negative moments</p> <p>What steps does a typical person have to complete to achieve their primary goal or motivation?</p> <p>confusing, or time-consuming?</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>
<p>Areas of opportunity</p> <p>What steps does a typical person have to complete to achieve their primary goal or motivation?</p> <p>What have others suggested?</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>	<p>The data is processed in the field</p> <p>The data is compared to the data from the sensors in the field</p> <p>The data is displayed on the screen</p>