

Project Design Phase-I - Solution Fit Template

Project Title: Real-Time River Water Quality Monitoring and Control System

Team ID: PNT2022TMID20521

<p>1. CUSTOMER SEGMENT(S)</p> <p>Industries near rivers disposes their waste in it .So people unable to get and drink hygiene water because of water pollution</p>	<p>6. CUSTOMER CONSTRAINTS</p> <p>River monitoring system is used to identify the water pollution and alert the people and corporation not to drink the water</p>	<p>5. AVAILABLE SOLUTIONS</p> <p>There are solution only for monitoring but never sent alert message to people and authority</p>
<p>2. JOBS-TO-BE-DONE / PROBLEMS</p> <p>Pollution causing parameters like temperature,ph ,turbidity is monitored and water level is also monitored</p>	<p>9. PROBLEM ROOT CAUSE</p> <p>Sensor should be long lasting because it should be turned on for 24/7.</p>	<p>7. BEHAVIOUR</p> <p>The system will monitor the river for 24/7 and if any misbehavior found in river it will sent alert message to the concerns</p>

<p>3. TRIGGERS</p> <p>By knowing about working efficiency a and environment friendly application</p>	<p>10. YOUR SOLUTION</p> <p>Temperature,Ph and turbidity values of water continuously monitored and these values compared and controlled if there any where is formed it is eliminated</p>	<p>8. CHANNELS of BEHAVIOUR</p> <p>Online: monitor water quality</p> <p>Offline: less usage of chemical fertilizers</p>
<p>4. EMOTIONS: BEFORE / AFTER</p> <p>before: unsafe water for drinking(afraid of it)</p> <p>after: safe drinking water (satisfaction and safe)</p>		