

Project Design Phase-I - Solution Fit Template

Project Title: Real-Time River Water Quality Monitoring and Control System Team ID: PNT2022TMID46505

Define CS, fit into CC	<div>1. CUSTOMER SEGMENT(S)<div>CS</div></div> <div>According to our problem statement people living in rural areas and so,who use river water.</div>	<div>6. CUSTOMER CONSTRAINTS<div>CC</div></div> <div>Only one system is used for specific area and so people may find it hard to recover if any fault occurs,as we used sensors to detect turbidity and pH.</div>	<div>5. AVAILABLE SOLUTIONS<div>AS</div></div> <div>Even though the individual notification to each people could not be sent the system will still notify the corporation and they can further notify the people.</div>	Explore AS , differ en ..
	<div>2. JOBS-TO-BE-DONE / PROBLEMS<div>J&P</div></div> <div>The river water quality monitoring system checks the turbidity and Ph of the water periodically and notifies the public when the quality of the water varies.</div>	<div>9. PROBLEM ROOT CAUSE<div>RC</div></div> <div>?</div> <div>As we know apparatus for monitoring the pH and the turbidity are bit costly and our system needs more than one apparatus to work, the apparatus are used periodically to check the quality of</div>	<div>7. BEHAVIOUR<div>BE</div></div> <div>The customer could use the user guide provided to overcome the problem or else they can report and contact the corporation , they will take care of the problem.</div>	
Focus on J&P, tap into BE, understand RC				
Identify strong TR & EM	<div>3. TRIGGERS<div>TR</div></div> <div>For Example: If certain area people start using this quality monitoring system and so they are staying healthy without any water borne disease, it will trigger the other area people start using it</div>	<div>10. YOUR SOLUTION<div>SL</div></div> <div>Our solution is to check the quality of the river water periodically using two sensors. The parameters like turbidity and pH of the river water is monitored and alerts when any changes in parameters occur.</div>	<div>8. CHANNELS of BEHAVIOUR<div>CH</div></div> <div>If it is in offline mode, the customers can directly reach the corporation office and report the problem.</div>	Identify strong TR & EM
	<div>4. EMOTIONS: BEFORE / AFTER<div>EM</div></div> <div>The customers might fell hard first, we will guide</div>			