

Define CS, fit into CC	<div>1. CUSTOMER SEGMENT(S)<div>CS</div><div>Who is your customer? i.e. working parents of 0-5 y.o. kids</div><div>Government sector Farmers Industrialist</div></div>	<div>6. CUSTOMER CONSTRAINTS<div>CC</div><div>What constraints prevent your customers from taking action or limit their choices of solutions? i.e. spending power, budget, no cash, network connection, available devices.</div><div>The proposed water quality monitoring system based on WSN can be divided into three parts:<div><div>1. IOT Platform</div><div>2. Big data analytics and water quality management system</div></div></div></div>	<div>5. AVAILABLE SOLUTIONS<div>AS</div><div>Which solutions are available to the customers when they face the problem or need to get the job done? What have they tried in the past? What pros & cons do these solutions have? i.e. pen and paper is an alternative to digital notetaking</div><div>The main aim is to develop a system for continuous monitoring of river water quality at remote places using WSN with low power consumption , low cost and high detection accuracy.</div></div>	Explore AS, differentiate

Focus on J&P, tap into BE, understand RC	<div>2. JOBS-TO-BE-DONE / PROBLEMS<div>J&P</div><div><div><div>● To identify the presence of algal bloom in the tank or water bodies</div><div>● To identify the temperature and turbidity</div></div></div></div>	<div>9. PROBLEM ROOT CAUSE<div>RC</div><div>The quality of the river water will be affected due to large amount of farm fertilizer or farm waste drain into river concentration of nitrate and phosphate increase</div></div>	<div>7. BEHAVIOUR<div>BE</div><div>It uses less data and power. Additionally , it might serve as a best safety step for maintaining water quality</div></div>	Focus on J&P, tap into BE, understand RC

Identify strong TR & EM	<p>3. TRIGGERS TR</p> <ul style="list-style-type: none"> ● It is small in size, so customer find it easy ● They are able to recognize the issues with water without anyone. 	<p>10. YOUR SOLUTION SL</p> <p>Creating a MPC BUOY app to prevent algal bloom using ultrasound as a control measure</p>	<p>8. CHANNELS of BEHAVIOR CH</p> <p>ONLINE</p> <ul style="list-style-type: none"> ● The cloud storage can be used to regulate the waterflow ● Used to search websites , send the mail to authorities. <p>OFFLINE</p> <p>The proposed system includes a number of sensors to test and guarantee the water quality based on factors including pH, temperature and turbidity</p>	Identify strong TR & EM
	<p>4. EMOTIONS: BEFORE / AFTER EM</p> <p>Before: Trouble in identify the turbidity and temperature of river water Rural people affected by the unpurified water</p> <p>After: Using real time monitoring, instant data allows precursors to potential issues (corrosion) to be flagged up and immediately be addressed before the major issue The ability to make real-time decisions during critical moments can be important in preventing expensive repairs and breakdown.</p>			