

## Problem Solution Fit

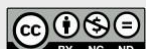
Team ID	PNT2022TMID17742
Project Name	Project - IOT Based Real-time River Water Quality Monitoring and Control System
Maximum Marks	2 Marks

# Problem-Solution Fit canvas

Purpose / Vision

Version:

Define CS, fit into CL	<b>1. CUSTOMER SEGMENT(S)</b> <span>CS</span>  Local Authorities and Common people	<b>6. CUSTOMER LIMITATIONS</b> <span>CL</span> <small>EG. BUDGET, DEVICES</small>  Costly, do not know if accurate, not available for all localities.	<b>5. AVAILABLE SOLUTIONS</b> <span>AS</span> <small>PLUSES &amp; MINUSES</small>  Accurate measuring of water quality using various sensors, make it available in all remote places	Explore AS, differentiate
	Focus on PR, tap into BE, understand RC	<b>2. PROBLEMS / PAINS + ITS FREQUENCY</b> <span>PR</span>  Consuming contaminated water leads to various problems for all living organisms.	<b>9. PROBLEM ROOT / CAUSE</b> <span>RC</span>  The water may be contaminated by means of nutrient pollution (Industry), Eutrophication, Algal blooms and so on.	
Identify strong TR & EM		<b>3. TRIGGERS TO ACT</b> <span>TR</span> <div>Here the motive is to predict the contamination of river water and create awareness among people for the same.</div> <b>4. EMOTIONS</b> <span>EM</span> <small>BEFORE / AFTER</small> <div>The output is predicted accurately regarding the contamination of water, so as to avoid consumption of contaminated water by the people</div>	<b>10. YOUR SOLUTION</b> <span>SL</span>  The water should be monitored by using sensors and gather its temperature, Ph value, Turbidity value should be measured so that the user(Who consumes the water) be aware of the water he/she consumes and prevents consuming when the water is contaminated.	<b>8. CHANNELS of BEHAVIOR</b> <span>CH</span> <b>ONLINE</b> <div>Customer uses web application to analyse various parameters of water.</div> <b>OFFLINE</b> <div>The customer receive message in mobile phone if there is any change(Contamination) in water.</div>



## 0. Vision

**WHO IS YOUR CUSTOMER?**

**EXPLORE LIMITATIONS  
TO BUY / USE  
YOUR PRODUCT  
OR SERVICE**

**HOW ARE YOU  
GOING TO BE  
DIFFERENT THAN  
COMPETITION?**

**FOCUS ON FREQUENT,  
COSTLY OR URGENT  
PROBLEM TO SOLVE**

**UNDERSTAND  
THE CAUSE OF  
THE PROBLEM**

**TAP INTO, RESEMBLE  
OR SUPPORT  
EXISTING BEHAVIOR**

**DESIGN TRIGGERS  
THAT FIT REAL LIFE,  
SPARK ASSOCIATIONS,  
MAKE IT FAMILIAR**

**ADD EMOTIONS  
FOR STRONGER  
MESSAGE**

**YOUR  
“DOWN TO EARTH”  
SOLUTION GUESS**

**BE WHERE YOUR  
CUSTOMERS ARE**

