

# PROBLEM- SOLUTION FIT TEMPLATE

Date	28 September 2022
Team ID	PNT2022TMID46174
Project Name	Project -( IOT based Real time River water quality monitoring and control system)
Maximum Marks	4 Marks

# Problem-Solution Fit canvas

Define CS, fit into CL	<b>1. CUSTOMER SEGMENT(S)</b> <span>CS</span> <ul style="list-style-type: none"> <li>*Quality checkers</li> <li>*River Water monitoring authorities</li> </ul>	<b>6. CUSTOMER LIMITATIONS</b> <span>CL</span> <small>EG. BUDGET, DEVICES</small> <ul style="list-style-type: none"> <li>* Wide biosphere</li> <li>*Difficult to collect water samples.</li> </ul>	<b>5. AVAILABLE SOLUTIONS</b> <span>AS</span> <small>PLUSES &amp; MINUSES</small> <ul style="list-style-type: none"> <li>*The samples are collected and tested in Laboratories.</li> <li><b>Plus:</b> Accurate measurements are made.</li> <li><b>Minus:</b> It is a time consuming process.</li> </ul>	Explore AS, differentiate
	<b>2. PROBLEMS / PAINS + ITS FREQUENCY</b> <span>PR</span> <ul style="list-style-type: none"> <li>*Excess use of fertilizers leads to pollution which in turn leads to the death of animals.</li> <li>*It also causes many diseases in human Beings.</li> </ul>	<b>9. PROBLEM ROOT / CAUSE</b> <span>RC</span> <ul style="list-style-type: none"> <li>*Excessive use of fertilizers and pesticides.</li> <li>*Pollution of water.</li> <li>*Eutrophication</li> </ul>	<b>7. BEHAVIOR + ITS INTENSITY</b> <span>BE</span> <ul style="list-style-type: none"> <li>*The authorities are responsible for the supply of quality water directly.</li> </ul>	
Focus on PR, tap into BE, understand RC	<b>3. TRIGGERS TO ACT</b> <span>TR</span> <ul style="list-style-type: none"> <li>*To build a stable society</li> </ul>	<b>10. YOUR SOLUTION</b> <span>LS</span> <ul style="list-style-type: none"> <li>* The river water can be monitor with the help of sensors.</li> <li>* Immediate updation can be sent to the authorities .</li> </ul>	<b>8. CHANNELS of BEHAVIOR</b> <span>CH</span> <ul style="list-style-type: none"> <li><b>ONLINE</b> <ul style="list-style-type: none"> <li>*The SMS updations are sent through wireless technology .</li> </ul> </li> <li><b>OFFLINE</b> <ul style="list-style-type: none"> <li>*The sensor senses the temperature,turbidity and PH.</li> </ul> </li> </ul>	Identify strong TR & EM
<b>4.EMOTIONS</b> <span>EM</span> <ul style="list-style-type: none"> <li>BEFORE- DISTRUST</li> <li>AFTER-SURENESS</li> </ul>				

