

Project Design Phase-I
Problem Solution Fit

Date	01 October 2022
Team ID	PNT2022TMID30125
Project Name	Real time water quality monitoring system
Maximum Marks	

Problem Solution Fit:

CUSTOMER SEGMENTS(S) The customers of this project are by type ph testing dissolved oxygen analyser toc analyser conductivity sensor. By application marine lab testing ground water surface water residential and commercial.	CUSTOMER LIMITATIONS The customer limitation of this project is must because water is essential to our earth so customer limitation is very huge level.	AVAILABLE SOLUTIONS (PROS AND CONS) The available solutions in this project are used to search in the survey literature and search the website.
PROBLEMS/ PAINS (ITS FREQUENCY) The problems and pains of in this project are testing method are more and we have using more devices and there are some decimal errors.	PROBLEM ROOT/ CAUSE The root cause occurs due to some device issue and varying the levels of nutrient and mineral in water.	BEHAVIOR ITS INTENSITY The behaviour of intensity in this project is used to search the website and ask experts to relate in this project.
TRIGGERS TO ACT A primary "trigger" mechanism that identifies any addition (chemical or biological) to water within the distribution system. This must be instantaneous or "real-time Secondary detection technology that allows for the contaminant to be identified during a period of a few hours, while the discrete segment of the distribution system is shut down..	YOUR SOLUTION My solution for this project is used to filter the bacteria and germs and another solution is used to maintain the pH level and maintain the temperature and humidity nutrient.	CHANNELS OF BEHAVIOR (ONLINE) The channels of behaviour of in this project in online are used to search website send the mail and watching the television these are channels of behaviour
EMOTIONS (BEFORE/ AFTER) Emotion before this project people are very sad and angry after the project people are very happy and fully enjoyable.		OFFLINE The channels of behaviour of in this project in offline reading the newspaper and asking to neighbour These are offline channels.

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