

Project Design Phase-I

Solution fit

DATE	25 OCT 2022
TEAM ID	PNT2022TMID25475
PROJECT NAME	REAL TIME-RIVER WATER MONITORING AND CONTROL SYSTEM

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) CS Who is your customer? According to our problem statement, people living in rural areas and so, who uses river water.	6. CUSTOMER CONSTRAINTS CC What constraints prevent your customers from taking action or limit their choices of solutions? 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 temperature and pH.	5. AVAILABLE SOLUTIONS AS Which solutions are available to the customers when they face the problem need to get the job done? What have they tried in the past? What pros & cons do these solutions have? Eventhough the individual notifications to each people could not be sent, the system will still notify the corporation and they can further notify the people.	Explore AS, differentiate
	2. JOBS-TO-BE-DONE / PROBLEMS J&P Which jobs-to-be-done (or problems) do you address for your customers? The river water quality monitoring system checks the temperature and pH of the water periodically and notifies the public when the quality of the water varies.	9. PROBLEM ROOT CAUSE RC What is the real reason that this problem exists? What is the back story behind the need to do this job? As we know sensors are bit costly and our system needs more than one sensors to work. The sensors are used periodically to check the quality of the water and might need to be replaced frequently.	7. BEHAVIOUR BE What does your customer do to address the problem and get the job done? 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.	
Focus on J&P, tap into				Focus on J&P, tap into C

