

Project Design Phase-1

Solution Kit

DATE	18 October 2022
TEAM ID	PNT2022TMID12856
PROJECT NAME	Real-Time River Water Monitoring and Control System

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) <small>Who is your customer? i.e. working parents of 0-5 y.o. kids</small> Farmers and people in rural areas those who live near rivers	6. CUSTOMER CONSTRAINTS <small>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.</small> The system is complex and hard to rectify if fault occurs. Sometimes the customer needs to take some time to under the working of the system.	5. AVAILABLE SOLUTIONS <small>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</small> An alert system to notify the people through sms and the corporation/government people to make sure the particular region in the river is safeguarded.	Explore AS, differentiate
	2. JOBS-TO-BE-DONE / PROBLEMS <small>Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides.</small> The river water monitoring system checks parameters like PH level, dust particles, temperature, turbidity and sends alarm notification if the threshold value is not met.	9. PROBLEM ROOT CAUSE <small>What is the real reason that this problem exists? What is the back story behind the need to do this job? i.e. customers have to do it because of the change in regulations.</small> We will be using sensors to detect the previously mentioned parameters in case if any one of them fails the whole system becomes endangered.	7. BEHAVIOUR <small>What does your customer do to address the problem and get the job done? i.e. directly related: find the right solar panel installer, calculate usage and benefits; indirectly associated: customers spend free time on volunteering work (i.e. Greenpeace)</small> A customer care can be setup to address and solve the issues faced by the user.	
Focus on J&P, tap into BE, understand RC				Focus on J&P, tap into BE, understand RC