**Project Title:** Real-time River Water Quality Monitoring and Control System **Project Design Phase-I** - **Solution Fit Template Team ID:** PNT2022TMID15074

**Focus on J&P, tap into BE, understand RC**

**Explore AS, differentiate**

**Deﬁne CS, ﬁt into CC**

The main solution of our project is to analyze the water quality. Don’t mix the chemicals in water resources is an alternative to digital notetaking

**AS**

**5. AVAILABLE SOLUTIONS**

Water purity and analyze the quality. People understand the importance of water resources.

**CC**

**6. CUSTOMER CONSTRAINTS**

**CS**

**1. CUSTOMER SEGMENT(S)**

Who is your customer?

The people who need pure and hygienic water for their daily usage are our customer.

**Explore AS, differentiate**

**Define CS, fit into CC**

The main behavior of this Project is helps people to understand the eminence of water and models provide Decision in order to properly mitigate Water.

**BE**

**7. BEHAVIOUR**

What does your customer do to address the problem and get the job done?

**RC**

**9. PROBLEM ROOT CAUSE**

If large amount of chemicals mixes with water algae formed and purity and vitamins in the water are destroyed. Many unknown diseases are formed.

**J&P**

**2. JOBS-TO-BE-DONE / PROBLEMS**

Water has been turned toxic. By using our prep identify and analyze the quality of water.

**Focus on J&P, tap into BE, understand RC**

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**Identify strong TR & EM**

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| **Identify strong TR & EM** | **3. TRIGGERS TR**  The impurity of water is like a poison it give viral disease and health problems. The main aim of our project is not only analyze the impurity but also some social message like don’t pollute the water resources. | **10. YOUR SOLUTION SL**  Don’t dump the Waste and reduce the chemicals mixed in water resources. Avoid building a factory near water resources. By our project we are not only identifying the water quality but also giving some social message to all living organisms  . | 1. **CHANNELS of BEHAVIOUR CH**     1. **ONLINE**   Our project not need the online process. Because we have done this project in the offline mode. Operations is an easy and simple process to work.   * 1. **OFFLINE**   The turbidity sensor placed inside the water and analyze the quality of water. Then the LED display provide the amount of impurity present in water. |  |
| **4. EMOTIONS: BEFORE / AFTER EM**  How do customers feel when they face a problem or a job and afterwards?  Customers are happy enough to have clean water and hygienic environment. |