**Ideation Phase**

**Define the Problem Statements**

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| **Date** | 06th November 2022 |
| **Team ID** | PNT2022TMID53593 |
| **Project Name** | Project – Real-Time River Water Quality Monitoring and Control System |
| **Maximum Marks** | 2 Marks |

Chart, treemap chart

Description automatically generated

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| **I am (Customer)** | An authorised person who is supposed to ensure the safety of common people. | Common people living around a river mostly depend on that river for water usage. So it is important to make sure that the river water is safe to use. |
| **I am trying to** | Monitor the River Water quality. | Wants to monitor the river water quality consumed by the people by checking its pH value, Turbidity and dust particles in it. |
| **BUT** | The existing models are not accurate. | Accuracy of the existing model is not enough to monitor efficiently in rainy seasons. |
| **Because** | They are of High cost and consumes high power and doesn’t have automated monitoring systems. | It is difficult to alert about the lack of quality of water at every single time. |
| **Which makes me feel** | Worried about the safety of the people. | So, If the authorised person is not aware whether the water is contaminated or not, he won’t be able to give alerts to residents near the river. Which could lead to disease spread. |