#### Ideation Phase

#### Empathize & Discover

Team ID	PNT2022TMID34349
Project Name	Project Efficient Water Quality Analysis and
	Prediction using Machine Learning
Maximum Marks	4 Marks

#### **Empathy Map Canvas:**

### SAYS

- Rapid urbanization and industrialization have led to a deterioration of water quality at an alarming rate, resulting in harrowing diseases.
- Water is one of the most communicable mediums with a far reach.
- Chemical contaminants from both natural sources and human activity can make water unsafe or even unusable.

# **THINKS**

- Some effects of poor water quality take time to develop, which is why these repercussions are so severe.
- Minor effects of poor-quality water include chronic low-level illnesses, headaches, and digestive problems.
- This precious and limited resource must be used with care.

## **USER**

### DOES

- As water is required for different purposes, the suitability of it must be checked before use.
- Sources of water must be monitored regularly to determine whether they are in sound health or not.
- Several water quality parameters are assessed and compared with their standard values to determine the acceptability of the source of water.

## **FEELS**

- The quality of water is very important in both environmental and economic aspects.
- The consequences of low-quality water are scary to think about, but require careful consideration. It's crucial for homeowners to know the full scope of the issue.
- The most common of these diseases in urban areas are diarrhea, typhoid, gastroenteritis, cryptosporidium infections, some forms of hepatitis, and giardiasis intestinal worms.