

**Ideation Phase**  
**Empathize Map**

Date	10 / 09 / 2022
Team ID	PNT2022TMID06211
Project Name	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 illness, headaches and digestive problem.
- 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 the disease in urban areas are diarrhea, typhoid, gastroenteritis, cryptosporidium infections and some form of hepatitis and giardiasis intestinal worms.