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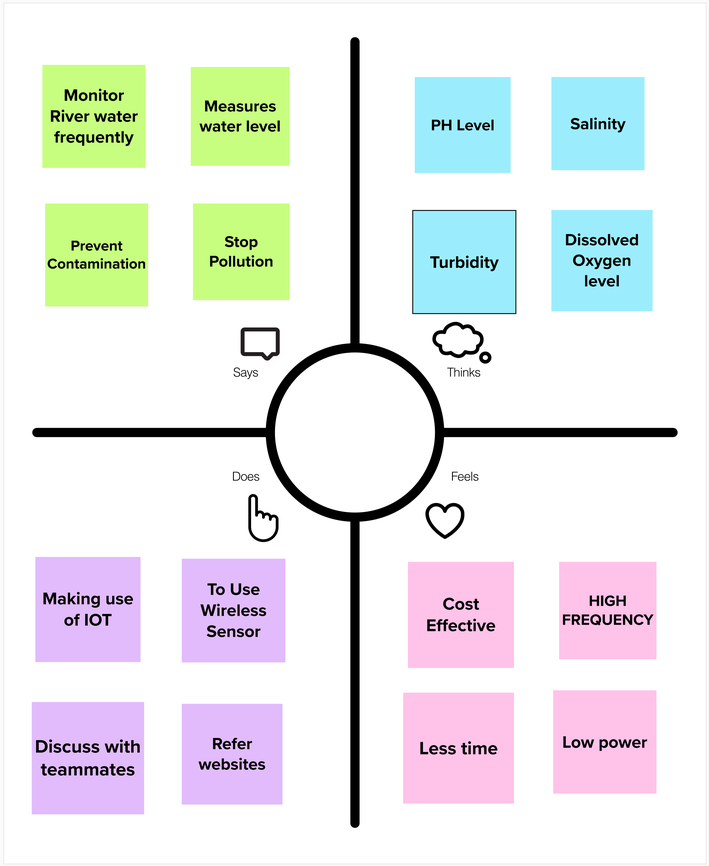
Empathy Map

Dive into the mind of the user for focused product development

- Build empathy and keep your focus on the user by putting yourself in their shoes.

S.NO	NAME	POSITION/ DEPT	COLLEGE NAME
1	S.SEETHALAKSHMI	TEAM LEADER	K.RAMAKRISHNAN COLLEGE OF ENGINEERING
2	K.SUBIKSHA	TEAM MEMBER1	K.RAMAKRISHNAN COLLEGE OF ENGINEERING
3	S.SATHIYA	TEAM MEMBER2	K.RAMAKRISHNAN COLLEGE OF ENGINEERING
4	K.SNEHA	TEAM MEMBER3	K.RAMAKRISHNAN COLLEGE OF ENGINEERING



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BIG IDEAS

Turbidity is a measure of water clarity.It can be measured with turbidity tubes by light and photo detectors.

Frequently monitor the water by using probes for regular intervals

Salinity of a water can be measured by passing electric current between sample of river water.

Dissolve oxygen level makes water better.It can be increased by adding plants in river and exposing water to pure oxygen

Water is the crucial element for Human life

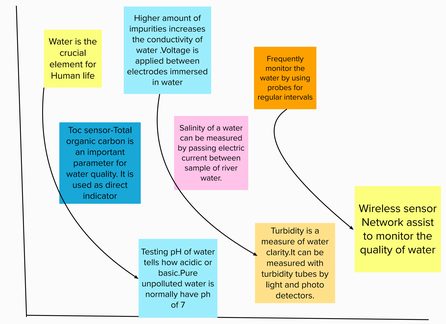
Higher amount of impurities increases the conductivity of water .Voltage is applied between electrodes immersed in water

Testing pH of water tells how acidic or basic.Pure unpolluted water is normally have ph of 7

Toc sensor-Total organic carbon is an important parameter for water quality. It is used as direct indicator

Wireless sensor Network assist to monitor the quality of water

Idea prioritization:



Need Statement

The main components used in system are wireless sensors,probe and wireless systems.It detects water pH,conductivity,turbidity and salinity of river water.

The advantage of this system are it consumes less power than classic water quality monitors, high accuracy, and less cost.

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