IDEATION PHASE

INTERNET OF THINGS :

Real-Time River Water Quality Monitoring and Control System

EMPATHY MAP :

What do they THINK AND FEEL?
what really counts
major preoccupations
worries & aspirations

- I WANT A SYSTEM THAT MONITOR THE RIVER QUALITY
- I WISH THERE WAS MORE EFFICIENT WAY TO DO THIS
- I NEED TO MAKE SURE THAT SYSTEM IS IMPLEMENTED TO UPHOLD

What do they HEAR?
what friends say
what boss say
what influencers say

- IT IS DIFFICULT TO MONITOR OR MAINTAIN LARGE WATER BODIES LIKE RIVER
- IT CAN BE MADE EASY BY MONITORING WATER BODIES USING WIRELESS
- IOT CAN BE IMPLEMENTED FOR EFFICIENT MONITORING

What do they SEE?
environment
friends
what the market offers

- A SIMPLE AND COST EFFICIENT METHOD FOR FREE
- THEIR WORK AT THE RIVER IS EASIER WITH LESS OBSTACLES
- SUPPORTIVE DUE TO PROJECT SCOPE'S BIGGER AND PROFITABLE

What do they SAY AND DO?
attitude in public
appearance
behavior towards others

- SUPPORTING SYSTEM TO PRESERVE AND MAINTAIN THE NATURE
- A HIGH-LEVEL WIRLESS WATER MONITORING SYSTEM
- PRODUCTIVE WITH MINIMAL NO DISTURBANCE TO THE PEOPLE

PAIN
fears
frustrations
obstacles

- A SUDDEN MALFUNCTION OF SENSORS IN THE MONITORING SYSTEM
- DATA ERRORS MAY DISTRUB THE WORKFLOW OF THE SYSTEM
- THE TIME CONSUMPTION FOR CORRECTING THE ERRORS

GAIN
"wants" / needs
measures of success
obstacles

- EASY MAINTANANCE OF WATER BODIES
- QUALITY OF RIVER IS MONITORED MORE EFFICIENTLY NOW