Empathy Map

REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM

FEEL
[THOUGHTS ABT WATER QUALITY]

- WORRIED ABOUT CREATURES
- WATER – A SCARCE RESOURCE
- CAN I TOUCH THE WATER? CAN I BE IN THE WATER?
- SWIMMING – MAY NOT BE YET

THINK
[PROBLEMS AND SOLUTIONS]

- WHAT WOLUD BE THE NECESSARY WATER QUALITY MEASUREMENTS ?
- HOW TO TAILOR PROJECT TO BEST SERVE ?
- HOW TO MITIGATE ALGAL BLOOM?
- HOW CAN WE KNOW WHAT THE BIGGEST WATER THREATS THAT THE COUNTRY FACES ARE IF WE ARE NOT LOOKING IN RIVERS?

SAY
[MONITORING AND CONTROL SYSTEM]

- "NO MONITORING EQUALS NO EVIDENCE"
- "EVERY DROP COUNTS"
- "GOAL : BE FREE FROM POLLUTANT THAT COULD BE HARMFUL"
- "IT WILL HELP SAVE WATER FROM PONDING AND POLLUTION"

DOES
[FINDINGS AND METHODS]

- FIND POINT SOURCE
- REAL TIME DATA INDICATORS SUCH AS TEMP.,CLARITY OF WATER, AND DISSOLVED O2.
- IMPLEMENTATION OF WIRELESS SENSOR NETWORKS
- ALGORITHM TO DETECT POSSIBLE CONTAMINATION

GAIN

- NUTRIENT RICH WATER
- HABITUAL ENVIRONMENTAL
- SAFE WATER – FREE FROM TOXICITY

PAIN

- GASTROINTESTINAL SYMPTOMS
- DERMATOLOGICAL SYMPTOMS
- FLU-LIKE SYMPTOMS