IDEATION

1. Getting quantitative information on the physical, chemical, and biological characteristics of water via statistical sampling.

2. Statistical process control (SPC) makes uses of statistical techniques to improve a process's quality. SPC is a useful method for detecting problems, reduce variability to improve the capacity and showing process stability to get error free data.

3. We have two sensors to determine water quality, we include PH sensors as well as turbidity sensor and a dissolved oxygen sensor. These sensors will detect the presence of suspended particles in the water. We also have a GPS module and micro SD card, which will log the data from sensors as well as GPS locations as well as transmit the same online over IOT at particular intervals.