

PROJECT DEVELOPMENT DELIVERY OF SPRINT-2

DATE	7 November 2022
TEAM ID	PNT2022TMID13132
PROJECT NAME	Real time river water quality monitoring and control system

Proposed system :

The main aim is to develop a system for continuous monitoring of river water quality at remote places using wireless sensor networks with low power consumption, low- cost and high detection accuracy. pH, conductivity, turbidity level, etc. are the limits that are analyzed to improve the water quality.

Following are the aims of idea implementation

- (a) To measure water parameters such as pH, dissolved oxygen, turbidity, conductivity, etc. using available sensors at a remote place.
- (b) To assemble data from various sensor nodes and send it to the base station by the wireless channel.
- (c) To simulate and evaluate quality parameters for quality control.
- (d) To send SMS to an authorized person routinely when water quality detected does not match the preset standards, so that, necessary actions can be taken

