PROJECTDEVELOPMENTDELIVERYOFSPRINT-2

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| Date | 19September2022 |
| TeamID | PNT2022TMID06413 |
| ProjectName | Project–Real-TimeRiverWaterQuality  MonitoringandControlSystem |

Proposedsystem:

The main aim is to develop a system for continuousmonitoringofriverwater qualityat remoteplaces usingwireless sensor networks with low power consumption, low-cost and high detection accuracy. pH, conductivity, turbiditylevel, etc. are the limits that are analyzed to improve the waterquality. Following are the aims of idea implementation (a) Tomeasure water parameters such as pH, dissolved oxygen,turbidity, conductivity, etc. using available sensors at a remoteplace. (b) To assemble data from various sensor nodes and sendit to the base station by the wireless channel. (c) To simulateand evaluate quality parameters for quality control. (d) To sendSMS to an authorized person routinely when water qualitydetected does not match the preset standards, so that,necessaryactionscanbetaken.

