Patent Search

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Abstract:

In underwater communications systems, wireless sensor grids are the enabled technology, and they combine wireless sensor grids. Underwater communication mai
out by a series of nodes for transmitting data to the nearby base station for the monitoring and control station in the shore area between its nodes and sink node, th
data. The major problems in the oceanic area are under water pollution. Underwater contamination causes acidification, eutrophication, plastic waste, water noise a
This pollution is currently identified by means of human monitoring. Automated and smart monitoring systems are necessary to detect the occurrence of this polluti
proposed model describes the smart sensor-based monitoring system which identifies pollution in the groundwater and alerts it to occur. With the monitoring syste
detect contamination by automatically and intelligently using the temperature sensor, humidity sensor, pressure sensor and chemical sensor. The system efficiency i
the results show that it is better than the process of human monitoring

Complete Specification

FIELD OF INVENTION

This invention is a device for tracking the water contamination that is used to measure water constantly, based on the four physical parameters, such as temperatu
Humidity, pH, and Pressure properties. The ARDUINO-UNO is mounted on the four sensors which detect water parameters. Extracted sensory data were passed to
WHO (World Health Organization) software package according to the normal values. The proposed method of machine innovation would expertly measure water li
using the fast wood binary classification to decide whether or not the measured water sample will drink based on the determined results.

BACKGROUND OF INVENTION

The impact of water is beyond any human thing's description. Water conservation is a major concern with the exponential growth of the worldwide population, esp
production, agriculture and other industries. Most people around the world struggled behind drinking water. Per year, many people die of all lethal water-borne dis
research found that nearly five million deaths are mainly caused by unregulated water use.

Analysis of the WHO shows that almost 1.4 million child deaths are stopped by providing them with drinking water. The key purpose of this project remains the intr
of an intelligent water quality management network to help us monitor many physical parameters of drinking water rather than manual processes. Many computat
studies have been conducted in recent years to create smart systems for water parameter specification and monitoring.

It is suggested to track the quality and delivery of water in-road control network based on sensor nodes. Their conceptual design, optical sensors are based on the
lightweight, low-cost, electro-chemical pipe frames and sensors for this design. This approach is suitable for broad scale water consumers, water generators and co

View Application Status

Department of Industrial Policy and Promotion
Government of India