Abstract

Water is one amongst the foremost necessary and basic natural resources. This approach of constant observance and alerting of underground and fish pond water shall promote the implementation of actions that will forestall human sickness caused thanks to consumption of poor quality of water and to develop health Fish Lake. This project proposes a sensing element primarily based pollution detection and alerting to the licensed agent via SMS and e-mail. The key parameters taken under consideration during this work are pH scale level, temperature, Dissolved Oxygen(DO) for fish lake water and therefore the water level, Total dissolved solids (TDS) were thought of for underground water. These parameters were detected by the corresponding sensors associated and are sent to the microcontroller unit wherever it is compared with the set point and invokes an alarm according it. The LCD display interfaces with the microcontroller unit to reveal this noninheritable parameter of water. Further, these parameters were sent to the base station through the wireless Zig-Bee communication module. Web site is maintained to store parameter of water and therefore the agent will read the water quality through web site (www. watermonitoringsystem. in). Once water parameter is not acceptable for drinking purpose then associate E-Mail and SMS alert is given to the user.
A Web based Observance and Alerting for Underground and Fish Pond Water Quality

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Index Terms

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Keywords

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