ABSTRACT

The IOT based water level indicator is a device for automating the switching of water pump. The existing system involves the manual switching off water pumps. That is, a person should manually turn on pump when there is no water in the tank. There are mainly two issues that the user will face, manual effort and water wastage (if the pump is not switched off at the right level).

The main disadvantages of the current system are:-
1. The user has no idea about the water level present inside the tank.
2. The user gets to know about the water level status only when it is full or empty.
3. As the pump requires manual operation, the system demands constant attention of the user.

Through this project, we are proposing a system that automates the pump switching process by using a hardware and software combo. The features of our system are:-
1. Automate the pump switching.
2. Provide accurate water level.
3. Eliminate the wastage of water during the pumping process.
4. Provide a user-friendly dashboard that shows all the relevant information about the system.
5. Includes a browser application and an android application.
6. Control pump from anywhere.