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Title:

Smart water fountain

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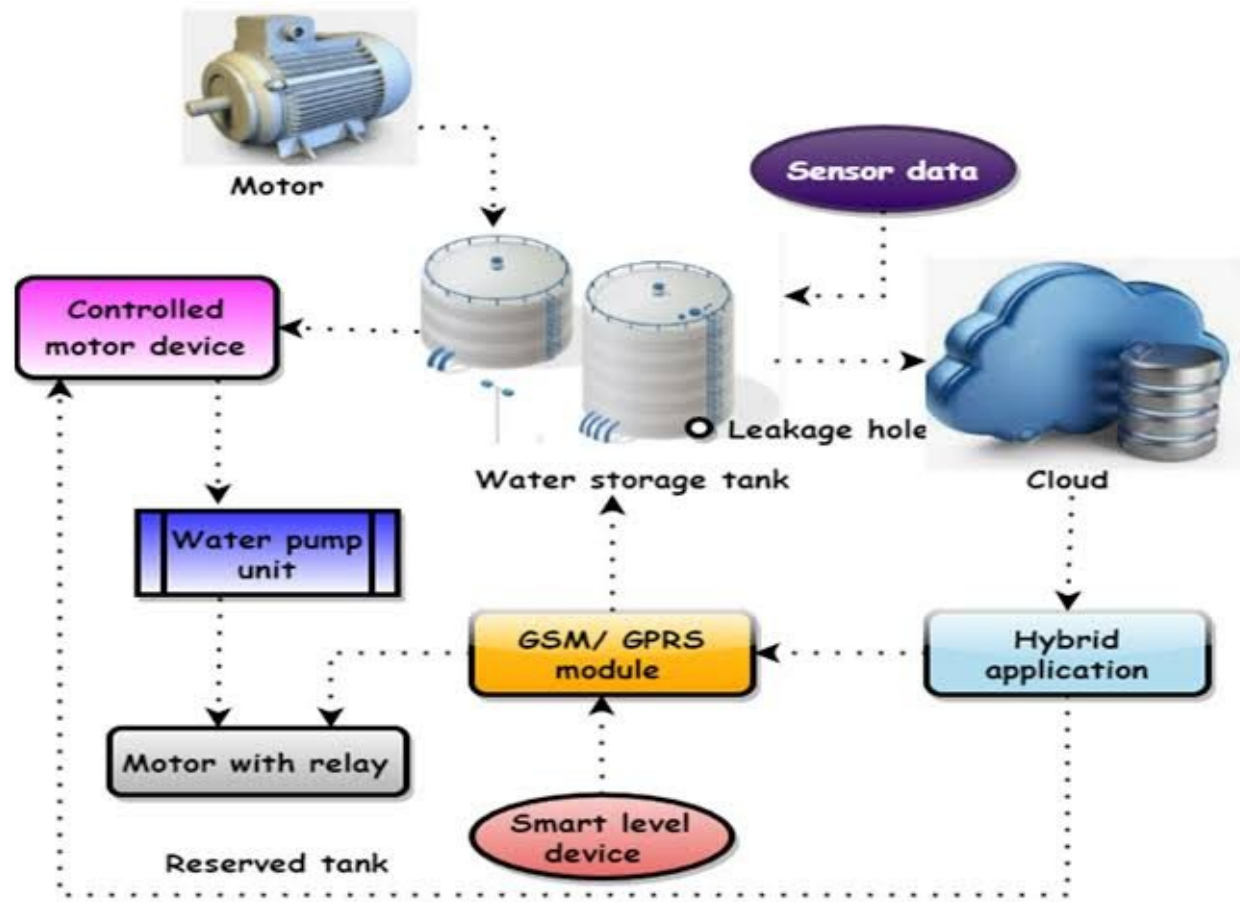
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INTRODUCTION

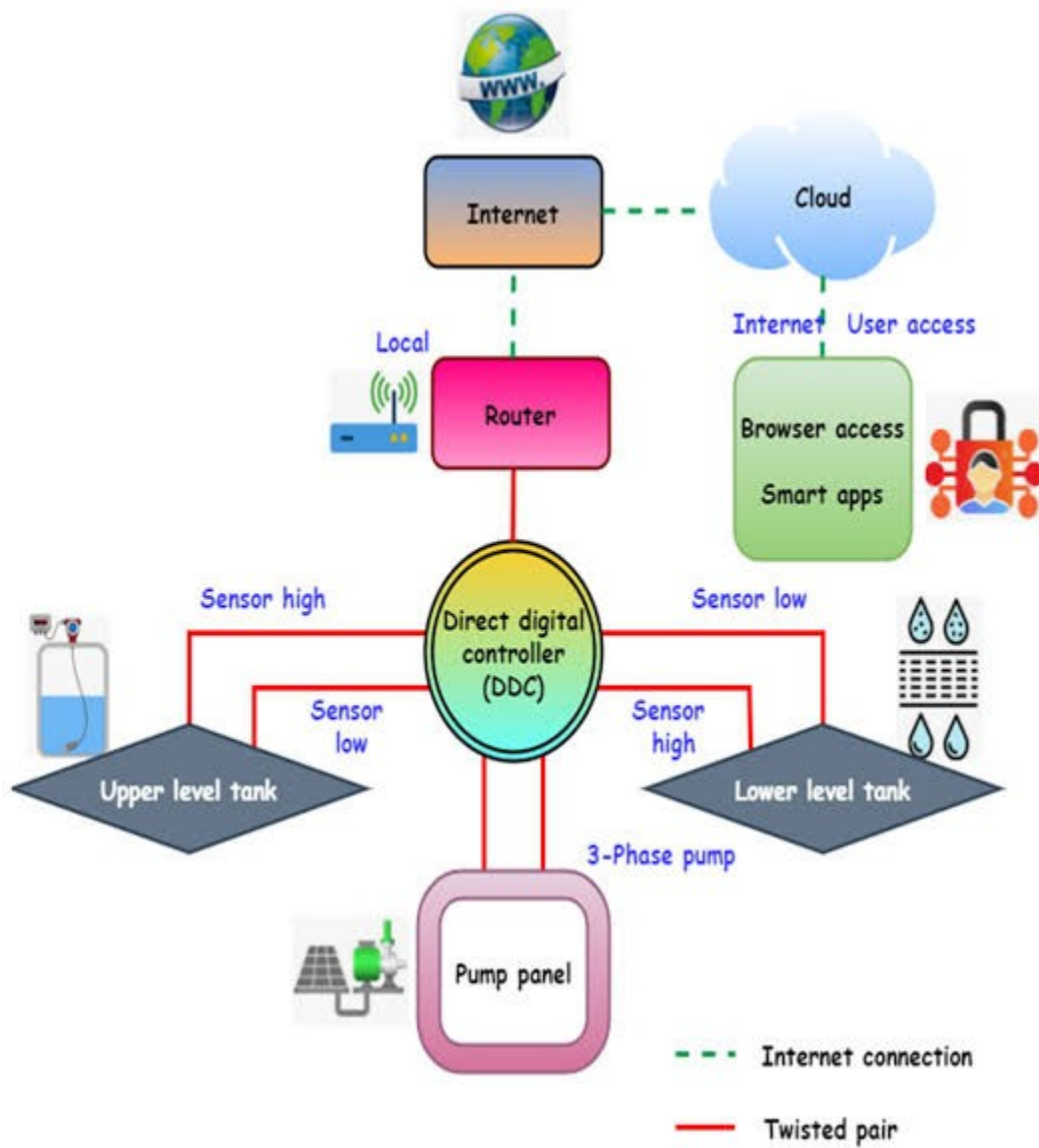
Watching the quality of water that comes into our houses is crucial. Rivers, lakes, and reservoirs may contain contaminants that are dangerous to us, and the increasing world population combined with urbanization has also worsened water quality. In our changing world, IoT can help monitor and analyze distributed water and ensure it complies with regulatory standards.



Relay-connected motors control the water pump, the second controlled motor device. The GSM module controls the motor and relay to respond to a signal and turn the motor on or off. A hybrid app must create both web-based and native hybrid applications. The cloud serves as a repository for the data collected, and it is this data that is analyzed and shown.

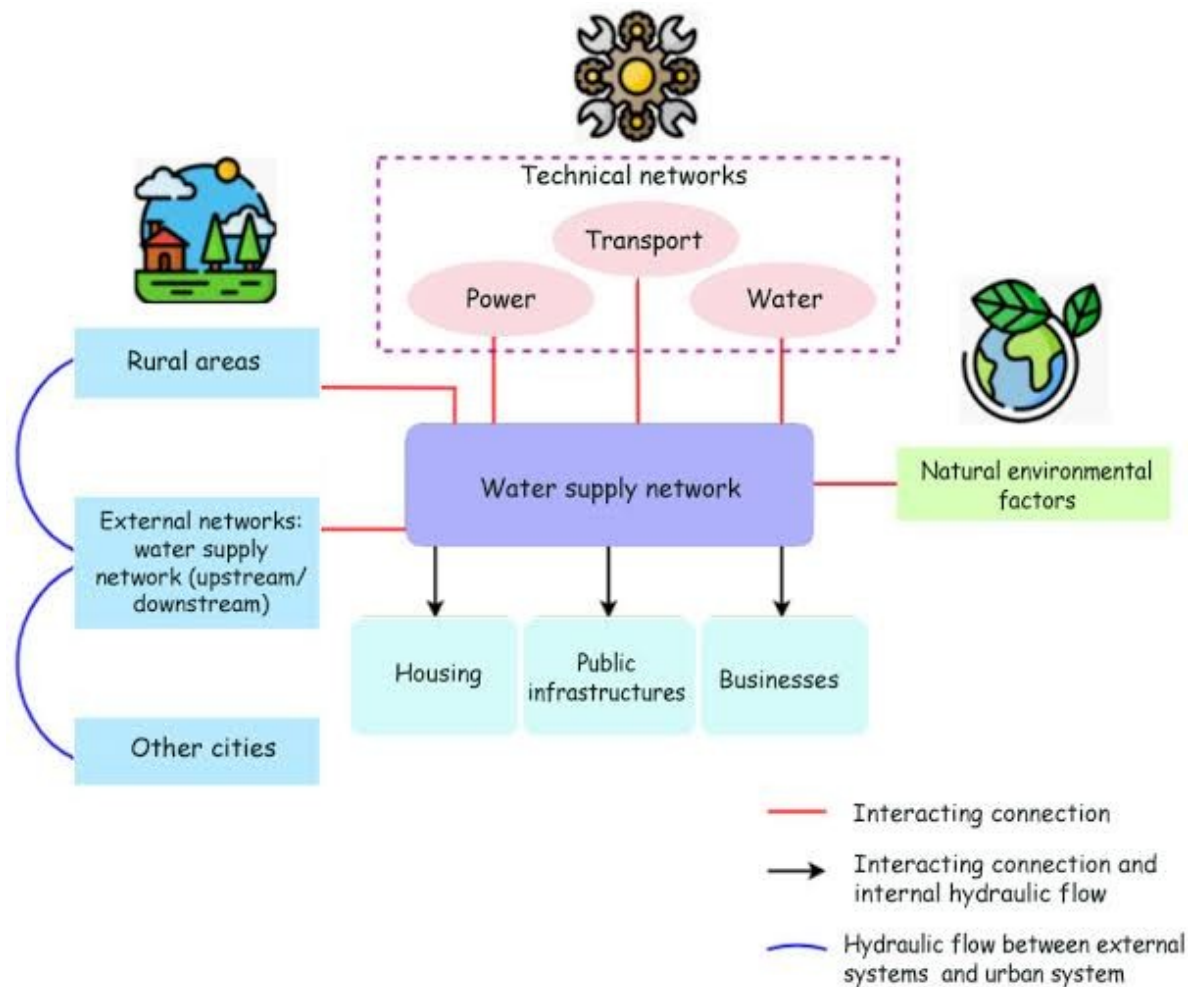
IOT BASED SMART WATER FOUNDATION

A water quality management system using IoT can deal with quality issues effectively. You only need to consider a simple comparison to appreciate the difference: Without IoT, water samples need to be collected and analyzed manually. This process is costly and time-consuming because it requires large equipment and an expensive workforce. In contrast, IoT sensors can measure a variety of parameters like temperature and turbidity. Operators receive regular data from multiple samples, enabling them to remotely perform quality control on water reserves.



The DDC can be linked to a router and used as a local Wi-Fi network or connected to the internet. In the case of a local network, people can use a smart app or a web browser on a connected device to access it directly through that network. The DDC is linked to the cloud server using the internet connection option.

STRATEGIE OF WATER SUPPLY NETWORK:



Various urban engineering professionals gathered for brainstorming meetings to develop these concepts. An urban system can be distilled down to its most basic elements with this FBD. A typical urban system is used to conduct the internal functional analysis. Technical networks, housing, companies, and public infrastructure are among the many subsystems that urban planning experts say should be distinguished. Each of these four major subsystem groups includes the Saudi Arabian people.

