

The purpose of this work is to design a system which monitors and controls the water flow to an irrigation system using Mobile Phone through WI-FI and monitoring temperature and humidity. This can be achieved by the use of soil moisture sensor, which senses the water content in the soil. This sensor output is given to a Microcontroller based control system for further data processing. This work also consists of IoT module for remote monitoring and control of water supply to irrigation system. Whenever the soil moisture content goes below some predefined level, and then this information is sent through WI-FI .Based on the command received from IoT the Microcontroller switches ON or OFF the electrical water pump.



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IOT Based Automatic Drip Irrigation System for Paddy Cultivation



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