Renesis based Smart Irrigation

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Abstract*: This paper proposes a smart technique for measurement of three parameters essential for Irrigation that includes Humidity, Temperature and Moisture by interfacing with suitable sensors. The measured parameters are dynamically updated to the on-line remote server at the regular intervals of time automatically. This dynamic data can be accessed by the farmer at any instant of time for switching ON and OFF of the IP enabled Water Pump and water supply chain. The system also incorporates unique Individual IP address for every sensor. To make it a generic system the data is fetched with a simple internet connection over the mobility device. The entire system is developed on the smart platform of InternetOf Things (IoT) with suitable Interfacing of embedded system.*

Keywords: Sensors, Embedded System, IoT, Smart Irrigation

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