

CONTROL AND AUTOMATION OF SMART IRRIGATION USING IoT

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Internet of things (IoT) is the network of devices such as vehicles, and home appliances that contain electronics equipment , software , actuators, and connectivity, which allows these things to connect, interact and exchange data“. IoT is taking all the things in world and connecting to internet. It allows establishing solutions for better management of natural resources. The smart objects embedded with sensors enables interaction with the physical and logical worlds according to the concept of IoT. In this paper proposed system is based on IoT that uses real time input data. Smart farm irrigation system uses android phone for remote monitoring and controlling of drips through wireless sensor network. Wireless monitoring of field irrigation system reduces human intervention and allows remote monitoring and controlling on android phone. IoT is an attractive solution to the large amount of data generated by the wireless sensor network. This paper proposes and evaluates communication system to monitor and control a set of sensors and actuators to assess the plants water need.

