European Journal of Molecular &Clinical Medicine
ISSN2515-8260 Volume10,Issue 02,2023

Agriculture Irrigation System Using Wireless Sensor Network

Dr.M.Rajaiah, Mr.S.M.Rafi,Mr.K.Kartheek, Mr.N.Venkatesh, Ms.M.Praveena,Ms.P.Chandini .

Abstract

IoT based advanced solution for monitoring the soil conditions and atmosphere for efficient crop growth is presented. It also capable of monitoring temperature, humidity, soil moisture level using NodeMCU and several sensors connected to it. The system uses sensors which gives the amount of moisture in the soil, the humidity and temperature of the region, and a rain detecting sensor which and PIR sensor is using for motion activity can be used in deciding whether the crop is suitable for growing. All these sensors along with Arduino UNO are connected to the internet and a smartphone.

Keywords:

Arduino UNO NodeMCU IoT smartphone