Greenhouse Monitoring and Control Based on IOT Using WSN

Abstract--

This paper presents a monitoring and control system for greenhouse through Internet of Things(IOT). The system will monitor the various environmental conditions such as humidity, soil moisture, temperature, presence of fire, etc.

If any condition crosses certain limits, a message will be sent to the registered number through GSM module. The microcontroller will automatically turn on the motor if the soil moisture is less than a particular value.

A color sensor will sense the color of the leaves and send message. The prototype was tested under various combinations of inputs in our laboratory and the experimental results were found as expected.
IoT Based Greenhouse Monitoring System

ABSTRACT:-