Smart Farmer - IoT Enabled Smart Farming Application

Abstract

Smart agriculture farming system is a new idea of farming in agriculture, because which uses IoT technology to monitor the crop 24/7 and sends the information to the cloud. This emerging system increases the quality and quantity of agricultural products. IoT technology provides the information about farming fields and then takes action depending on the farmer input. In this project we can design an IoT based advanced solution for monitoring the soil conditions and atmosphere for efficient crop growth is presented. The developed system is capable of monitoring temperature, humidity, soil moisture type using Ardunio UNO R3 and different sensors connected to the microcontroller. Also, a notification is shown in farmer's phone using Wi-Fi about environmental condition and water levels of the crop field

KEYWORDS