Literature Survey: SmartFarmer-IOT Enabled Smart Framing Application

Title	Authors	Techniques used	Merits	Demerits	Published Date
IoT in Agriculture: Smart farming	***Dr . S. Kanchana***	***Sensors, Control systems, mobile app, photo voltaic panels, IoT cloud server access***	***IoT applications will address the issues and help in increasing the quality. Quantity, sustainability and cost effectiveness. To make the farmer more intelligent and more connected.***	***It will overcome increasing water shortages, limit availability of lands and fertility of lands difficult to manage cost***	***2018***
Smart Agriculture using IoT	***Jayakumar R, Naveen Perumal M***	***Smart Agri App, Arduino Uno, Ethernet shield, Soil moisture sensor ,infrared sensor, Servo motor, Voltage regulator ,Gsm, Motor driver.***	***Remotely measure and monitor water moisture levels in the soil to ensure the crops are getting optimal water Resources and automatically trigger system***	***The smart agriculture needs availability of internet continuously***	***2019***

IoT based smart farming	***M. Manoj Venkatasai K.Subba rao***	***Moisture sensor, temperature sensor,DTh11 sensor***	***To control the full operation of sensors, motors by the help of microcontrollers***	***The IoT Related equipment allows the farmer to understand the use of technology and to learn***	***2018***
Smart agriculture using Internet of things	***Amandeep, Vamsi Krishnan***	***GPS Module, Zigbee, solar panel, obstacle sensor, Motor Driver, motors, sprayer, cutter***	***A remote controlled vehicle operates on both automatic and manual modes, for various agriculture operation like spraying, cutting, weeding etc***	***A farmer needs to have access to crop data reliably at any time from any location, so connection issues would cause an monitoring system to be useless***	***2017***
An IoT Based Architecture for smart farming	***D.S. Bhupal Naik, P. Jhansi lakshmi***	***Server, Modem, internet, IoT device, USB, power, camera, base station, sensors, microcontroller***	***Smart farming is a notion that that quickly snaps on the agricultural field.***	***In agriculture the equipment required to implement the IoT program is costl.***	***2019***

Smart farming: IOT Based Smart Sensors Agriculture	***Anand Nayyar & Er. Vikram Puri***	***Arduino Mega 2560, ESP8266 Wi-Fi Module, Watts Solar Panel, Water Proof Temperature Sensor and Soil Moisture Sensor***	***It is used live Monitoring of Temperature and soil Moisture an cloud computing and Solar Technology. The Stick has high efficiency and accuracy.***	***It used to measure Temperature and soil moisture.***	***2016***
IOT Enabled Smart Framing Using Android Phone	***R. PackyaPriya & B. Gayathri Devi***	***Arduino Atmega 2560, solar panel, Boost converter, Storage battery, soil moisture sensor, Temperature sensor, Ultrasonic sensor, Humidity sensor, Buffer IC4050, Motor drive IF840 and Fan.***	***It is used measure the soil moisture, Temperature and Humidity and measure Height of plant. The power for solar panel and battery can be used. It used monitoring for android application.***	***Solar panel can damage no power goes to the circuit.***	***2019***