LITERATURE SURVEY

TEAM ID:	PNT2022TMID44437
PROJECT TITTLE:	Smart Farmer-IOT Enabled smart Farming Application

PAPER 1:

Smart Agriculture System using IoT Technology:

AUTHOR NAME:

- **Adithya Vadapalli**

YEAR OF PUBLISHING:

- September 2020

ALGORITHM:

Irrigation system based on soil water measurement to decide irrigation amount of water is described. . All sensors will send data to arduino and data will be forwared to WSN systems.The threshold value will be set according to the crop.

PROJECT CONCEPT:

Wireless Sensor network in the process of development in smartl. These sensors are connected to Arduino where we will get the readings. The availability of sensors for the agricultural parameters and microcontrollers can be easily interfaced with each other and with the help of Internet of Things,wireless sensor networks communication the challenges encountered by the farmers can also reduced.

PAPER 2:

Smart Agriculture System based on IoT and its Social Impact

AUTHOR NAME:

- GOKUL.L PATIL

YEAR OF PUBLISHING:

- OCTOMBER-2017

ALGORITHM:

Smart agriculture with help of the sensor.On the whole smart farming refers to data processing analyzing and automatic control system.

PROJECT CONCEPT:

Water monitoring,ph level monitoring using IOT platform.The technologies development open source software and hardware make it easy to develop the device which can make better monitoring and wireless sensor network made it possible to use in monitoring and control of green house parameter in precision agriculture.

PAPER 3:

APPLICATION OF IOT IN AGRICULTURAL SYSTEM

AUTHOR NAME:

- AJIT KUMAR SINGH

YEAR OF PUBLISHING:

- 26 MAY -2020

ALGORITHM:

This system is able to collect the information about the main environmental parameters.This design improves the real-time performance of the user to the envirionment.

PROJECT CONCEPT:

This system is entirely an automated one.and Many types sensors can be used in this system.The sensors as an important part of they are responsible for controlling the irrigation on field.All the measured sensor parameters are sent to the predefined web server by using the Wi-Fi module.If any sensor activated,The alert message will also send to the concerned person mobile phone.

PAPER 4:

SMART AGRICULTURE MANAGEMENT SYSTEM USING IOT

AUTHOR NAME:

- KAUSHIK SEKARAN

YEAR OF PUBLISHING:

- FEB 26-2020

ALGORITHM:

Three layers in the architecture are connected with cloud where all the data are uploaded,processed and accessed with API libraries and the devices are connected.Different sensors are collected and placed in cloud in integrate with IoT for the purpose of automation and efficient decision making process.

PROJECT CONCEPT:

IoT with sensor networks provide a new device to interact and observe the real-time data in physical world. s 1) physical layer, 2) IoT layer, 3)Com-op layer these three types of layers are in used in the Tchnology. The system has capability of managing all types of issues in agriculture like animal control,quality management,supply-chain management.

PAPER 5:

Smart Farming System Based on Intelligent Internet of Things and Predictive Analytics

AUTHOR NAME:

- Nourelhouda Ferehan

YEAR OF PUBLISHING:

- 20 MAY-2022

ALGORITHM:

The framework will provide a computerised course of action for data security from remote sensors sent in development due to incorporation of IoT gadgets. Information collection and transmission between IoTgadgets set in ranches will be basic utilising WSN.

PROJECT CONCEPT:

The concept of thins IoT insinuates to diverse IoT contraptions having one-of-a-kind identities. Information collection and transmission between IoTgadgets set in ranches will be basic utilising WSN. IoT components integrated with IoT cloud are

coordinates in proposed framework to supply keen arrangement for edit development observing to client. The Internet of things (IoT) is a combination of global data collection and utilization.

DRAWBACKS:

- Hackers can be easily Hacked the System&Network….
- Insuffcient Testing&Updating.