SMARTFARMER - IOT ENABLED SMART FARMING APPLICATION

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID43471 |
| Project Name | Project – IOT enabled smart farming application |
| Maximum Marks | 4 Marks |

Team members:

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1. https://ieeexplore.ieee.org/document/9432085

# IoT Enabled Smart Farming and Irrigation System

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# Pros:

# The system consists of three sensors which sense the values of humidity, moisture and temperature of plants. If any of the values decreases the motor automatically turns on the water for plants. This is done using Arduino board, voltage regulator and relay which controls the motor. WIFI module is used to inform the user about the exact field condition.

# Cons:

# The system only moniter the soil moisture level.it doesn’t moniter the nutrients level.

# https://ijirt.org/Article?manuscript=151824

# Smart farming using IOT

# Pros:

# Smart Agriculture can forecast weather data, switching ON the pump motor and switch ON the bulb for artificial light due to less light intensity, for farms acknowledging the dampness of soil of moisture levels. The IR sensor detects the pest and humans by their temperature; the sensors are interfaced to process module Arduino-UNO. The Smart agriculture system can be operated from anywhere with the help of networking technology.

# Cons:

# The system only moniter the soil moisture level.it doesn’t moniter the nutrients level.

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**S T FARMING USING IOT**

1. https://www.sciencedirect.com/science/article/pii/S1877050919317168

# Smart Farming using IoT, a solution for optimally monitoring farming conditions

# Pros:

# This projet using humidity, temperature, soil moisture sensors to calculate the corps state.

# Cons:

# The system only moniter the soil moisture level.it doesn’t moniter the nutrients level.

# https://wwjmrd.com/upload/iot-enabled-smart-farming-using-android-phone\_1571128323.pdf

# IoT Enabled Smart Farming Using Android Phone

# Pros:

# This project explains about an IoT enabled Smart Farming using Android Phone. Internet of Things is described as Interconnection of physical devices through Internet. The physical devices embedded with sensors enables the interaction with physical and logical world in the concept of IoT. The proposed system is based on IoT that uses real time data to monitor and control the irrigation system parameters using Smartphone with Internet.

# Cons:

# The system only moniter the soil moisture level.it doesn’t moniter the nutrients level.

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