

Literature Survey

Team No :30034

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S.No	TITLE	PROPOSED WORK	TOOLS USED/ ALGORITHM	TECHNOLOG Y	ADVANTAGES/ DISADVANTAGES
1	. SMART FARMING: IOT Based Smart Sensor Agriculture Stick For Live Temperature And Humidity Monitoring	The product being proposed is tested on Live Agriculture Fields giving high accuracy in data feeds in different soil condition at different locations.	<ul style="list-style-type: none">• Arduino Mega 2560• Temperature Sensor• Smart Farming• Soil Moisture Sensor.	Internet of things	With the help of these systems various problems faced by farmers in daily life are being solved to a greater extent.
2	Smart Farming using IoT, a solution for optimally monitoring farming conditions	The product will assist farmers by getting live data from the farmland to take necessary steps to enable them to do smart farming by increasing their crop yields and saving resources.	<ul style="list-style-type: none">• . ESP32s• DHT11• Temperature• Humidity Sensor• Soil Moisture Sensor• SI1145 Digital UV Index• IR Visible Light Sensor	Internet of things	IoT Smart Farming application will allow farmers to get better yield and to increase the production.

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3	Smart Farming – IoT in Agriculture	It is a simple architecture of IoT sensors that collect information and send it over the Wi-Fi network to the server, there server can take actions depending on the information.	<ul style="list-style-type: none"> • Poly House • Water Volume Sensor • Soil pH sensor • Soil Moisture Sensor • Motion Detector Sensor 	<ul style="list-style-type: none"> • Internet of things 	Enhance quality and quantity of production, save resources like water and electricity, economically efficient crop that cost less
4	IoT and agriculture data analysis for smart farm	The moisture content of the soil is maintained appropriately for vegetable growth, reducing costs and increasing agricultural productivity.	Data mining Wireless sensor networks	Internet of things Data analytics	monitoring of crop through a mobile application by using a smartphone

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5	A Survey on the Role of IoT in Agriculture for the Implementation of Smart Farming	Automatically maintains and monitor agricultural farms with minimum involvement of humans	<ul style="list-style-type: none"> • Pressure sensor • Animal location tracker • Iot data acquisition • Standard data acquisition 	<ul style="list-style-type: none"> • Internet of things • Networking protocols 	farmers can save up to 50% outdoor water bills by using a Green IQ smart sprinkler controller
6	Applicability of Internet of Things in Smart Farming	A framework for disease detection in crops.	<ul style="list-style-type: none"> • Arduino Uno • multiple sensors • Wi-Fi devices • cameras 	<ul style="list-style-type: none"> • Internet of things • Machine learning 	Crops can be efficiently monitored and food-borne disease are prevented so that food safety is ensured.

THANK YOU