LITERATURE SURVEY

DATE	19 SEPTEMBER 2022
TEAM ID	PNT2022TMID14876
PROJECT NAME	Project - Smart farmer-IoT Based smart farming application
MAXIMUM MARKS	

INTRODUCTION:

The IoT-based smart farming project uses a mobile app to enhance agriculture method and saves the crops from birds, getting live data(Temperature, Soil Moisture) and efficient environment monitoring to enable overall yield and quality of products and also monitor agriculture equipment (Motor, Sprinklers, sound making buzzers).

LITERATURE SURVEY:

Sr. No	Name of the paper	Author	Year of publication	Technology used	Limitation
1.	Automation in Agriculture and IoT	Vaishali Puranik, Ankit Ranjan, Anamika Kumari	2019	Arduino Circuit, 2X16 Liquid Crystal Display, GSM Module	Cost is high

2.	An IoT Instrumented Smart Agricultural Monitoring and Irrigation System	Anil Kumar Saini, Susmita Banerjee, Himanshu Nigam	2020	ThingSpeak, NodeMCU, Sensor, E-mail	Increased channel maintenance
3.	Smart Agriculture Based on IoT and Cloud Computing	Sriveni Namani, Bilal Gonen	2020	Sky Drone FPV2, Cloud Computing	It requires a strong network
4.	Providing Smart Agricultural Solutions to Farmers for better yielding using IoT	M.K.Gayatri, J.Jayasakthi, Dr.G.S.Anand ha Mala	2015	Sensor module, a Processor module, Communication module	There could be wrong analysis of weather conditions
5.	Managing Crop for Indian Farming Using IOT	S. Geetha, P. Deepalaksh m I, Shilpa Pande	2019	Sensors, Arduino Microcontroller, Data Transmission	Complex for uneducated person
6.	Smart Farm Monitoring Using Raspberry Pi, and Arduino	Siwakorn Jindarat, Pongpisitt Wuttidittac hotti	2015	Embedded System, Raspberry Pi, Arduino, Android, Smart Phone	Expensive

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- Sinung Suakanto, Ventje J. L. Engel, Maclaurin Hutagalung and Dina Angela, "Sensor networks data acquisition and task management for decision support of smart agriculture", 2016 International Conference on Information Technology Systems and Innovation (ICITSI) Bandung – Bali, pp. 24-27, Oct. 2016.
- Chetan Dwarkani M, R Ganesh Ram, S Jagannathan, and R. Priyatharshini, "Smart agriculture system using sensors for agricultural task automation", 2015 IEEE International Conference on Technological Innovations in ICT for Agriculture and Rural Development (TIAR 2015).
- Nikesh Gondchwar and R. S. Kawitkar, "IOT-based smart agriculture", International Journal Of Advanced Research in Computer and Communication Engineering (IJARCCE), vol. 5, no. 6, Jun. 2016. Show Context Google Scholar.
- Manakant Intarakamhaeng et al., "The Model Farm Management Automation Technology with RFID" in , Pathumthani:Office of Science and Technology, 2008.
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