LITERATURE REVIEW

S. NO	TITLE & AUTHOR	YEAR & PUBLICATIONS	METHODOLOGY	ADVANTAGE	DRAWBACK
1.	Smart Crop Protection System from Animals M. Jaya Prabha, R. Ramprabha, V. VasuBrindha, C. Asha Beaula	**2020** Blue Eyes Intelligence Engineering and Sciences Publication (BEIESP).	IR & Ultrasonic Sensors	Increased yields	Not appropriate in certain conditions
2.	Smart Crop Protection System Against Wild Animals using IOT Ms. Netra V. Deshmukh , Dr. Ravindra, M.Deshmukh, Prof. Praveen Likhitkar	**2021** IJ Publication	Internet of Things	Improve protectivity	Require farmers to understand & learn the use of technology.This is a major challenge in adopting smart farming
3.	Smart Crop Protection System Using IOT Shishir Bagal, Krunal Mahajan , Riya Parat , Ekta Zade , Shubham Khante	**APRIL 2021** International Research Journal of Engineering and Technology (IRJET)	Ardunio UNO based technology	Works on Solar Power and they uses solar charged convertor to charge the battery efficiently.	Software failure, internet connectivity problem.

4.	Smart Crop Protection System Krunal Mahajan, Riya Parate, Ekta Zade, Shubham Khante, Shishir Bagal	**FEBRUARY 2021** International Research Journal of Engineering and Technology (IRJET	Ardunio UNO with PIR sensor	Using dog's sound is an advanced feature	Any kind of software or hardware failure can occur
5.	Microcontroller based Smart Crop Protection System to Detect Fire and Animals Premjyoti G Patil,B. Pavan,B. Praveen Kumar,B. Siva Sai Reddy,M. Sandeep Kumar	**April-2020** IJISRT(International Journal of Innovative Science and Research Technology)	Microcontroller & motion and smoke sensor	This would prevent starvation of the animals, thus help maintaining ecological balance.	Improper implementation can cause much more harm than good
6.	Smart Crop Protection System Mohit Korche, Sarthak Tokse, Shubham Shirbhate, Vaibhav Thakre, S. P. Jolhe	**2021** IJLES(International Journal of Latest Engineering Science)	Microcontroller based using PIC family microcontroller	This is used to saving time and also preventing the loss of crops.	Losses of adjacent crops and contamination of groundwater
7.	Smart farming Using IOT Reshma S, Ramya J, Swathi S, Srinidhi B M, Sindhu R N	**April 2019** IJISRT International Journal of Innovative Science and Research Technology	Wireless Sensor Network Technology	Raspberry Pi 3 is cost efficient.	Rain sensor is sensitive to temperature and salinity

8.	The new era of Technological Farming:An Emerging Agronomics Neha A.Rathi,Pranav M.Patil,Aniket S.Marwade,Mohit K.Popat	**April 2020** IJFEAT International Journal For Engineering Applications And Technology	AI based drip irrigation System	Farmers will get real time updates.	Most farmers are not well aware of this technology.
9.	IoT Based Farmland Powered Using Solar Energy M.Gunasekaran, N.Devayani, K.Nandhini, A.R.Nandhini and B.S.Rani	**July 2020** Elixir International Journal	Sensor enabled Proposed model of Smart Irrigation System with Android Application and ESP8266	IoT based Smart Farming improves the entire Agriculture system by monitoring the field in real-time.	Increases the financial burden on farmer
10.	IOT Based Wireless Sensor Network for Prevention of Crops from Wild Animals S. R. Chourey, P. A. Amale, N. B. Bhawarkar	**2017** International Journal of Electronics, Communication & Soft Computing Science and Engineering IJECSCSE	Raspberry Pi and WSN technology	Low cost wireless sensor node.	The boards are not protected against harsh, dirty or electrically noisy environments.