LITERATURE SURVIVE
SMART CROP PROTECTION FOR AGRICULTURE

TEAM ID-PNT2022TMID36188

Date	08 September 2022
Team ID	PNT2022TMID36188
Project Name	Smart Crop Protection For Agriculture
Maximum Marks	4 Marks

S.No	Author and journal	Year	Name of the topic	Features
1	S.Ayyasamy, S.Eswaran, B.Manikandan, S.Nirmal kumar IEEE	2020	IoT based Agri Soil Maintenance Through Micro-Nutrients and Protection of Crops from Excess Water	❖ Smart irrigation with smart control and intelligent decision making based on accurate real time field data. ❖ Smart warehouse management which includes temperature maintenance, humidity maintenance and theft detection in the warehouse.
2	Alaa Adel Araby,Mohamed Ali Fahim, IEEE	2019	IOT Based Smart Crop Protection and Irrigation System	❖ Objective of this paper is to provide an automatic irrigation system thereby saving time, money & power of the farmer automatic environmental change detection
3	Naveenbalaji Gowthaman, V.Nandhini IEEE	2018	Advanced Crop Monitoring using Internet of Things based Smart Intrusion & Prevention	❖ Agriculture is the backbone of our country. To improve productivity in agricultural lands modern crop yielding methods have been used. ❖ A system by using the wireless sensor networks to detect the intrusion of birds and animals in the agricultural lands is discussed ❖ It is necessary to measure the crop water requirements, temperature and humidity in agricultural lands which can

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				be done using wireless sensor Networks

4	Muhammad Ayyaz,Ammad Udin,Ali nMansour	2019	Internet-of-Things (IoT)-Based Smart Agriculture	❖ Soil is stomach of plants, and its sampling is the first step of examination to obtain field-specific information, which is then further used to make various critical decisions at different stages.
				❖ A fertilizer is a natural or chemical substance that can provide important nutrients for the growth and fertility of plants.
				❖ Plants mainly need three key macronutrients:
				  1. nitrogen (N) for leaf growth;
				  2. phosphorus (P) for root, flowers, and fruit development;
				  3. potassium (K) for stem growth and water
				movement

5	Alaa Adel Araby, Mai Mohamed Abd Elhameed, Hassan Mostafa	2020	Smart IoT Monitoring System for Agriculture with Predictive Analysis	❖ Precision agriculture is a new concept in agriculture, it is defined as the farm management system using information technology to identify, analyze and manage the variability of fields to ensure profitability, sustainability, and protection of the environment. ❖ It is obvious that precision agriculture increases the efficiency that can be realized by understanding and dealing