

# SMART CROP PRODUCTION FOR AGRICULTURE USING IOT

## LITERATURE SURVEY

S.NO	TITTLE	AUTHOR	YEAR	TECHNOLOGY	MERITS	DEMERITS
1.	Smart crop production system using passive infrared sensor	ARTUR TRANKIE WICK,RA FULCUPE K	2013	passive infrared sensor	Detects motion reliably in indoors as well as in day or dark.	Insensitive to very slow motion of the object
2.	ICT irrigation technology for agriculture	Prof.K.A. Patil& prof.N.R. Kale	2013	ICT irrigation technology	Communication has become quicker and more efficient.	Risk of cyber attacks and hacks.
3.	Smart crop protection system from living object and FIRE using ARDUINO.	Dr.m.chandra& mohan reddy	2020	arduino Uno based system using microcontroller	•It is easy to operate and use.	It cannot be protected against harsh, dirty or electrically noisy environment.
4.	Automated crop field surveillance using computer vision.	Tejas Khare	2017	Crop field surveillance using computer vision.	In this system the long range camera are placed at the corner of field or land with considering maximum field of view of camera	But this system doesn't work in different circumstances like in the night or dark

5.	Smart Agro Using Arduino and GSM	P Rekha, T. Saranya,	2017	Agro using arduino	There is no need of manual power to controlling the water pump	It cost is very high
6.	Sensor Based Crop Protection System with IoT monitored Automatic Irrigation	Damini Kalra, Praveen Kumar	2020	Using moisture sensor and Arduino	It automatically water the plants	It may causes te water loss.
7.	Smart irrigation&crop protection from wild animals.	Sohaib Pavithra Bhargavi Madhuri	2020	IR sensor and microcontroller	Reduces financial losses.	Wastage of electrical power.
8.	Smart crop protection system from wild animals&birds using IOT.	Sumana Sanjana Sharanya Harish	2011	Microcontroller based system	Reduce human power.	It is expensive