S.No	Title	Methodology	Author	Merit/demerit	Year
1	Smart crop protection system from wild animals	The issues that our farmers face as a result of wild animal attacks on their fields and orchards, as well as the current solutions and methods that have been adopted to address this problem. If an animal approaches a crop, motion sensors detect the movement and activate a buzzer; if the buzzer continues for more than 10 seconds, the owner is notified.	Jessica Dias SmitChaudhari Manasvi Save YashChuri	Wireless field monitoring saves time and effort while also allowing users to view precise changes in crop yield. It will assist farmers in protecting their farms and save them money, as well as protecting their fields.	April 2022
2	Smart crop protection system from insects and birds	LDR is used for hearing light power on the farm, and IR sensor used to identify insects, birds, and humans through their bodies temperature and notify the user with a message format on their mobile phones These sensors are an interface to process the Arduino-UNO module. LCD is used to makeshow different sensory conditions. Where there is a change in temperature, sensor receives then turn on DC and cool the condition.	Raj Aryan	. This property allows the farmer to develop the crop in the way that the crop needs. It leads to higher, longer crop yields production time, better quality and less use of protective chemicals.	April 2022
3	Smart crop protection system from animals	This project is smart crop protection system for protect the farm from animal as well as unknown person. This project contents Arduino UNO , nodemcu ,LCD display ,PIR sensor ,flame ,sensor ,sdcardmodule ,solarpanel,solar charge convetor. The whole project work on 12vdc supply from battery .we used solar pannel to charge the battery. we used solar pannel to charge the battery .	Shishir bagal krunal moharajan riyaparate ekta zade Shubham jhante	It allows farmers to maximize yields using minimum resources such as water, fertilizers, seeds etc ,Solar powered and mobile operated pumps save cost of electricity. Smart agriculture use drones and robots which helps in many ways.	Aug 2022

4	Smart crop proction system	Developing a Smart Crop Protection System from Animals, some steps need to be followed to achieve this successful	JayeshRedij, PranavShitap, Shikhar Singh, DurveshZagade ,	it involves recognizing what objects are present, localizing the objects in 2D and 3D, determining the object's attributes, and characterizing the relationship between objects. If the captured image is of Animal then buzzer will be turned on	Oct 2022
5	Water Optimization and Crop Protection System Using IoT	By putting an electrical fence around the field. By putting a bucket or bowl with water near planting place. By using crackers. But this method cause physical and biological harm to the animals	Navyashree Abilash M Dr.Balakrishna	The system will reduce the man labour and protection system to the farm field eliminates the loss of yield to the farmer due to animal attach. By using the method of irrigation as specified in the paper crops receive optimum amount level of water and wastage of water can be prevented.	Dec 2020
6	A smart crop protection system using iot	Our proposed program focuses on monitoring sensory farming conditions such as Humidity, Temperature, and soil moisture; LDR is used for hearing light power on the farm, and IR sensor used to identify insects, birds, and humans through their bodies temperature and notify the user with a message format on their mobile phones These sensors are an interface to process the Arduino-UNO module. LCD is used to make	Raj Aryan Ankur Mishra Sachin Kumar Sonia Kumari	farming become more efficient and effective it also helps farmer to connect with each other and share information	Jan 2013