IDEATION PHASE

LITERATURE SURVEY

TEAM DETAILS

Team ID: PNT2022TMID13070

Project Name: IOT Based Smart Crop Protection System for Agriculture

S.NO	AUTHORS	TITLE	DESCRIPTION	PUBLISHED YEAR
1	T. Sandeep, B. Manushree, S. Rahul, T. Bharath	Crop Protection From Animals Using Cnn	Crop vandalism by wild animals and fire has evolved into a serious societal issue in recent years. It demands immediate attention because there is currently no viable answer to this problem. As a result, this initiative has a lot of societal significance because it tries to solve a problem. This initiative will assist farmers in securing their orchards and fields, preventing them from incurring large financial losses and saving them from the time and effort required to preserve their properties. This will also assist them in generating higher agricultural yields, which would improve their financial situation. By recognising the picture, an ultrasonic sensor may be triggered to drive the animal away. This approach is non-lethal to animals and does not waste power.	2022
2	Shubo Wang 1 , Peng Qi , Wei Zhang	Development and Application of an Intelligent	The intelligent pest detection kit serves plant protection management through "sensing + artificial intelligence" technology to realize the	2022

			accurate collection and mobile monitoring of plant information and data. The equipment has been loaded with more than 500 users in Qinghai, Jiangxi, Anhui, Zhejiang, Shanxi, and other places in China. The suite provides users with tools and means for plant protection image and microenvironment acquisition to help users implement more-refined plant protection management. Through artificial intelligence to identify diseases and pests of crops, the plant protection operation is easier, more accurate, and more efficient, so anyone can have a plant protection expert with him. At this stage, this project only identifies the main diseases and pests of wheat, corn, rice, and other major field crops and continues to increase the sample types to realize more crop disease and pest monitoring, which is the further research direction of intelligent agricultural monitoring.	
and Xiongkui He	Plant Protection Monitoring System			
3	Mohit Korche , Sarthak Tokse , Shubham Shirbhate , Vaibhav Thakre , S. P. Jolhe	Smart Crop Protection System	The problem of crop vandalization by wild animals and fire has become a major social problem in current time. It requires urgent attention as no effective solution exists till date for this problem. Thus, this project carries a great social relevance as it aims to address this problem. This project will help farmers in protecting their orchards and fields and save them from significant financial losses and will save them from the unproductive efforts that they endure for the protection their fields. This	2021

			will also help them in achieving better crop yields thus leading to their economic wellbeing	
4	Mukesh Mahajan , Kiran Patil , Vishesh Geete , Prasad Kondhare	Smart crop protection system from animals using PIC	The problem of crop canalization by wild animals has become a major social problem in current time. It requires urgent attention as no effective solution exists till date for this problem. Thus this project carries a great social relevance as it aims to address this problem. This project will help farmers in protecting their orchards and fields and save them from significant financial losses and will save them from the unproductive efforts that they endure for the protection their fields. This will also help them in achieving better crop yields thus leading to their economic wellbeing.	2020