VSB Engineering College,karur-639111

Project Design phase - I

Problem Solution fit

Project name: IoT based smart crop protection system for agriculture

Team Id : PNT2022TMID33619

1.Customer segments:- The customers who are going to adapt this project contains of ● Large scale Farmers ● Crop importers ● Remote Farmers	**6.Customer constrains:-** The customer wants a device the problems in crop protection when he is on remote or absence of humans. ● Prevent the crops use this if it is necessary ● Use it according to the climate change ● Resource efficient	5.Available solutions:- ● Integrating integrated pest and insect control is the greatest strategy to prevent crop damage. ● Certain cultural practices can prevent or reduce insect crop damage.
2.Jobs to be done :- ● Choosing the position of placing the smart sign board ● Control system of the mechanism is difficult	9.Problem route cause:- ● To prevent economical loss for farmers from yield=	7.Behaviour:- ● The customer wants to make the revolutionary propagation in the rating of the crop protection through the reliability of time efficient.

3.Triggers:- ● From this crop protection method farmers can easily make efficient production in yield	10.Solution:- ● Our solution for this project is to initiate the crop protection system using the sensors and drones sensed information from field and protect the crops	8.Channels of behavior:- The channels of behavior recombines the ration of the following ● Online ● Offline
4.Emotions:- ● People get more info about the needful resourses in the crop protection		