ProjectDesignphase-I

ProblemSolutionfit

Project name: IoT based smart crop protection system for agriculture
TeamId :PNT2022TMID54089

1.Customersegments:- Thecustomers whoaregoingtoadaptthisprojectcontainsof ● LargescaleFarmers ● Cropimporters ● RemoteFarmers	**6.Customerconstrains:-** The customer wants a device the problems in cropprotectionwhenheisonremoteorabsenceofhumans. ● Prevent thecrops usethis ifit isnecessary ● Use itaccordingtotheclimatechange ● Resourceefficient	5.Availablesolutions:- ● Integratingintegratedpestandinsectcontrol isthe greateststrategytoprevent crop damage. ● Certainculturalpracticescanpreventor reduce insectcrop damage.
2.Jobstobedone:- ● Choosing thepositionofplacingthesmartsign board ● Control systemofthe mechanismisdifficult	9.Problemroutecause:- ● Topreventeconomicallossforfarmersfrom yield=	7.Behaviour:- ● The customer wantsto maketherevolutionarypropagationintherating of thecrop protectionthrough thereliability of time efficient.

3. Triggers:-

- From thiscrop protectionmethod farmers caneasilymake efficientproduction in yield

4. Emotions:-

- People get moreinfo aboutthe needful resourses inthe cropprotection

10. Solution:-

- Our solution for this project is to initiatethe crop protection system using the sensorsand drones sensed information from field andprotect the crops

8. Channelsof behavior:-
Thechannelsofbehaviorrecombinestheration ofthe following

- Online
- Offline