

VSBEngineeringCollege, karur-639111

ProjectDesignphase - I

ProblemSolutionfit

Project name: IoT based smart crop protection system for agriculture

TeamId :PNT2022TMID54090

1.Customersegments:-

Thecustomers
whoaregoingtoadaptthisprojectcontainsof

- LargescaleFarmers
- Cropimporters
- RemoteFarmers

6.Customerconstrains:-

The customer wants a device the problems in
cropprotectionwhenheisonremoteorabsenceofhumans.

- Prevent thecrops use this if it
isnecessary
- Use itaccordingtotheclimatechange
- Resourceefficient

5.Availablesolutions:-

- Integratingintegratedpestandinsectcontr
ol 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
maketherevolutionarypropagationintherati
ngof thecrop protectionthrough
thereliability of time efficient.

<p>3.Triggers:-</p> <ul style="list-style-type: none"> ● From thiscrop protectionmethod farmers caneasilymake efficientproduction in yield 	<p><u>10.Solution:-</u></p> <ul style="list-style-type: none"> ● Our solution for this project is to initiate the crop protection system using the sensorsand drones sensed information from field andprotect the crops 	<p>8.Channelsof behavior:-</p> <p>Thechannelsofbehaviorrecombinestheration ofthe following</p> <ul style="list-style-type: none"> ● Online ● Offline
<p>4.Emotions:-</p> <ul style="list-style-type: none"> ● People get moreinfo aboutthe needful resourses inthe cropprotection 		