S.A ENGINEERING COLLEGE

ProjectDesignphase – I

ProblemSolutionfit

name: IoT d basedcrop 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 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	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
4.Emotions:- ● People get moreinfo aboutthe needful resourses inthe cropprotection		