Project Design Phase-
IProposedSolution

Date	13 September 2022
Team ID	PNT2022TMID54089
ProjectName	Project - IoT Based Smart Crop ProtectionSystem for Agriculture
MaximumMarks	2 Marks

ProposedSolutionTemplate:

Projectteamshallfillthefollowinginformationinproposedsolutiontemplate.

S.No.	Parameter	Description
1.	Problem Statement (Problem to besolved)	Develop smart & affordable solution to protectcropsfrominsects
2.	Idea/Solutiondescription	Using drone, we can monitor plant health.Using drone for spraying pesticides in aneffectivemanner.
3.	Novelty/Uniqueness	Drone can spray crops more precisely. Because,theycanbeprogrammed to spray aneven amountofliquidinallnecessarysections
4.	SocialImpact/ CustomerSatisfaction	Drones can help farmers to optimize the use ofinputs (seed, fertilizers, water), to react morequickly to threats (weeds, pests, fungi), to savetime crop scouting (validate treatment/actionstaken), to improve variable-rate prescriptions inrealtimeandestimateyieldfrom afield.
5.	Business Model(RevenueModel)	Usingdronesrequirelessmanpowerandtime
6.	Scalabilityofthe Solution	Drone sprayer is more effective whencomparedto normal spraymachine