Project Design Phase-IProposedSolutionTemplate

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| Date | 08October2022 |
| TeamID | PNT2022TMID41868 |
| ProjectName | Project–IOTENABLEDSMARTFARMING |
| MaximumMarks | 2Marks |

**ProposedSolutionTemplate:**

Projectteamshallfillthefollowinginformationinproposedsolutiontemplate.

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| **S.No.** | **Parameter** | **Description** |
| 1. | ProblemStatement(Problemtobesolved) | OurprojectwillbegivetheproblemstatementinSmartfarmingapplicationusingIOT.History-basedsoilhealthparameterslikesoilmoisture,  pHlevel,temperatureetc. |
| 2. | Idea/Solutiondescription | ThemostfrequentlyusedapplicationsofIoTinagriculturearedronesformonitoringfieldsandsprayingcrops,healthassessmentoflivestock  andirrigation. |
| 3. | Novelty/Uniqueness | Smaítfaíming,whichinvolvestheapplicationof sensoís and automated iííigationpíactices, can help monitoí agíicultuíal land,tempeíatuíe,soilmoistuíe,etc.ľhiswouldenablefaímeístomonitoícíopsfíom  anywheíe |
| 4. | SocialImpact/CustomerSatisfaction | Incíeased píoduction: the optimisation of allthe píocesses íelated to agíicultuíe andlivestock-íeaíingincíeasespíoductioníates. Wateísaving:weatheífoíecastsandsensoísthat measuíe soil moistuíe mean wateíingonlywhennecessaíyandfoítheíightlength  oftime |
| 5. | BusinessModel(RevenueModel) | Climate-smaítagíicultuíeisapathway towaídsdevelopmentandfoodsecuíitybuilton thíee pillaís: incíeasing píoductivity andincomes, enhancingíesilienceoflivelihoodsandecosystemsandíeducingandíemovinggíeenhousegasemissionsfíomthe  atmospheíe |
| 6. | ScalabilityoftheSolution | Smaít Faíming systems uses modeíntechnology to incíease the quantity andquality of agíicultuíal píoducts. LivestocktíackingandGeofencing.Smaítlogisticsandwaíehousing.Smaítpestmanagement.Smaít  Gíeenhouses |