Project Design Phase-I Proposed Solution Template

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| Date | 07 October 2022 |
| Team ID | PNT2022TMID15743 |
| Project Name | Project – IOT ENABLED SMART FARMING |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | Our project will be give the problem statement in Smart farming application using IOT. History- based soil health parameters like soil moisture,  pHlevel, temperature etc. |
| 2. | Idea / Solution description | The most frequently used applications of IoT in agriculture are drones for monitoring fields and spraying crops, health assessment of livestock  and irrigation. |
| 3. | Novelty / Uniqueness | Smaít faíming, which involves the application of sensoís and automated iííigation píactices, can help monitoí agíicultuíal land, tempeíatuíe, soil moistuíe, etc. ľhis would enable faímeís to monitoí cíops fíom  anywheíe |
| 4. | Social Impact / Customer Satisfaction | Incíeased píoduction: the optimisation of all the píocesses íelated to agíicultuíe and livestock-íeaíing incíeases píoduction íates. Wateí saving: weatheí foíecasts and sensoís that measuíe soil moistuíe mean wateíing only when necessaíy and foí the íight length  of time |
| 5. | Business Model (Revenue Model) | Climate-smaít agíicultuíe is a pathway towaíds development and food secuíity built on thíee pillaís: incíeasing píoductivity and incomes, enhancing íesilience of livelihoods and ecosystems and íeducing and íemoving gíeenhouse gas emissions fíom the  atmospheíe |
| 6. | Scalability of the Solution | Smaít Faíming systems uses modeín technology to incíease the quantity and quality of agíicultuíal píoducts. Livestock tíacking and Geo fencing. Smaít logistics and waíehousing. Smaít pest management. Smaít  Gíeenhouses |