**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID37002 |
| Project Name | Project – IoT Enabled Smart Farming Applications |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | * ***Check the humidity levels of plants in order to plan the irrigation of the land in relation to the weather*** * ***Check the soil moisture and hydration*** * ***Most common problem is connectivity. Every area doesn’t have proper internet connectivity.*** |
|  | Idea / Solution description | * ***It will provide insights and stats for crops and livestock.*** * ***Improvised stock management.*** * ***Smart contracts-Bill of landing.*** |
|  | Novelty / Uniqueness | * ***Smart Green House*** * ***Smart pest management*** * ***Smart meals*** * ***Unique deals and trade options*** * ***Remote management*** |
|  | Social Impact / Customer Satisfaction | * ***Livestock-rearing Increases production rates.*** * ***Process like pest control, fertilizing and irrigation are becoming automated.*** * ***Dependency of manual labour has reduced.*** |
|  | Business Model (Revenue Model) | * ***Precision agriculture*** * ***Agriculture drone*** * ***Livestock monitoring*** * ***Machine for routine operation*** |
|  | Scalability of the Solution | * ***Integrated with thousands of IOT devices for large farms.*** * ***Integrated with different types of IOT devices*** * ***Easier to collect and collate large volumes of data.*** |