**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 01 October2022 |
| Team ID | PNT2022TMID48844 |
| Project Name | Project – SmartFarmer - IoT Enabled Smart Farming Application |
| 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** |
|  | Problem Statement (Problem to be solved) | To provide efficient decision support system using wireless sensor network which handle different activities of farm and gives useful information related to farm. Information related to soil moisture, temperature and humidity content |
|  | Idea / Solution description | Smart agricultural system solution provide an integrated IOT platform in agriculture that allows farmers to leverage sensors, smart gateways and monitoring systems to collect information. |
|  | Novelty / Uniqueness | Various eminent researchers have been making efforts for smart farming by using IOT concepts in agriculture. But a bouquet of unfolded challenges is still in a queue for their effective solution. |
|  | Social Impact / Customer Satisfaction | Reduces the wages for labours who work in the agricultural field. It saves a lot of time. |
|  | Business Model (Revenue Model) | A monthly subscription is charged to farmers for prediction and suggesting the irrigation timing based on sensors parameters like temperature, humidity ,soil, moisture. |
|  | Scalability of the Solution | Scalability in smart farming refers to the adaptability of a system to increase the capacity. For example , the number of technology devices such as sensors and actuators , while enabling timely analysis. |