**Project Design Phase-I**

**Proposed Solution**

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| Date | 16 October 2022 |
| Team ID | PNT2022TMID19760 |
| Project Name | Smart Farmer – IoT Enabled Smart Farming Application |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | * Farmers must wait on the field until the water completely covers the soil before they can irrigate the area whole farm field. * Lack of Information, High Adoption, Cost, Security Concerns, etc. are the Biggest Challenges for IoT in the Agricultural Sector. |
|  | Idea / Solution description | * The Data collected by sensors, In terms of humidity, temperature, moisture, and dew detections help in determining the weather pattern in Farms. So cultivation is done for suitable crops. * Similar to precision agriculture, smart farming techniques let farmers keep better track of their crops and maintain the appropriate humidity levels. |
|  | Novelty / Uniqueness | * It helps the farmer to operate the motor from anywhere. |
|  | Social Impact / Customer Satisfaction | * It saves a lot of time, lowers the salaries paid to farm labourers, and can strengthen customer connections by improving the consumer experience overall. |
|  | Business Model (Revenue Model) | * Based on user requirements |
|  | Scalability of the Solution | * To increase the capacity, for example, the number of technology devices such as sensors and actuators, while enabling timely analysis. |