**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID04642 |
| Project Name | Smart Farmer-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) | Watering plants takes long time and requires continuous monitoring  Using water and acting accordingly by predicting the weather is a great challenge for farmers  Protection of crops from pesticides and disease is also difficult |
|  | Idea / Solution description | The Data collected by sensors, In terms of humidity, temperature, moisture, and dew detections help in determining the weather pattern and can be used by the farmers accordingly for farming  By determining the acidity level of the soil, the usage of pesticides and fertilizers can be determined |
|  | Novelty / Uniqueness | The farmer can be alerted for watering the crops and the values from the sensors can be used by the farmers for various applications  The app will help the farmer to find the condition of crops from anywhere |
|  | Social Impact / Customer Satisfaction | It saves a lot of time and reduces man power  The money spent for wages can be reduced  Accurate prediction of weather and watering |
|  | Business Model (Revenue Model) |  |
|  | Scalability of the Solution | Scalability of the product is large as it targets all the farmers. Since everyone uses smart phones now a days the scalability will be high |