Project Design Phase-I Proposed Solution

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| Date | 13 October 2022 |
| Team ID | PNT2022TMID01408 |
| Project Name | Smart farming-IoT Enabled Smart farming Application |

**Proposed Solution Details:**

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | To save natural resources such as water  Simultaneously increase the |
| 2. | Idea / Solution description | By controlling and monitoring the farm using sensors which help them in forecasting the yields, improving efficiency in farming methods. |
| 3. | Novelty / Uniqueness | To implement the soil moisture measuring system to measure the moisture level in the farm.  With the help of temperature monitoring, it can maintain and control the farm.  Can control the motor pumps by setting time using the mobile application. |
| 4. | Social Impact / Customer Satisfaction | By controlling and monitoring the farm using the mobile application can save farmer’s time and money, at the same time can provide more yield efficiently. |
| 5. | Business Model (Revenue Model) | Water and money will be saved. Increased work efficiency.  Reduce consumables.  Increase yields.  Easy of recording and reporting.  Easy of use. |
| 6. | Scalability of the Solution | Automated sensing of farm. Improved accuracy rate.  Reduced time and work burden. |