**Project Design Phase-I**

**Proposed Solution**

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| Date | 22 September 2022 |
| Team ID | PNT2022TMID15210 |
| Project Name | Project – 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) | IoT-based agriculture system helps the farmer in monitoring different parameters of his field like soil moisture, temperature, and humidity using some sensors to reduce man work. |
|  | Idea / Solution description | Farmers can monitor all the sensor parameters by using a web or mobile application even if the farmer is not near his field. By this way it makes the farming more effective and easy to work. |
|  | Novelty / Uniqueness | They can make the decision whether to water the crop or postpone it by monitoring the sensor parameters and controlling the motor pumps from the mobile application itself. |
|  | Social Impact / Customer Satisfaction | By using this kind of sensors and advanced technology we can produce more yield without effective man work. It makes the goods with high yield and thus satisfaction to the customers. |
|  | Business Model (Revenue Model) | As per business model it reduces the man work and provides better yield with advanced sensors and thus it gains more profit. |
|  | Scalability of the Solution | Scalability is another requirement that should be considered while designing a smart farming platform. 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. |