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|  | **Smart Farmer-IOT Enabled Smart Farming Application**    **Proposed Solution**   |  |  | | --- | --- | | **TITLE** | **Smart Farmer-IOT Enabled Smart Farming Application** | | **DOMAIN NAME** | INTERNET OF THINGS | | **TEAM ID** | PNT2022TMID22828 | | **LEADER NAME** | KOWSALYA D | | **TEAM MEMBER NAME** | KAMALAKANNAN R  KARTHICK S  NITHEEN V P | |

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | Most of the farmers use large portions of  farming land and it becomes very difficult  to reach and track each corner of large  lands. Sometime there is a possibility of  uneven water sprinkles. Challenges faced by IOT in agriculture are high adoption, security concerns, information lackness. |
| 2. | Idea / Solution description | Smart Farming has enabled farmers to  reduce waste and enhance productivity  with the help of sensors (light, humidity,  temperature, soil moisture etc..)  Further with the help of these sensors,  farmers can monitor the field conditions  from anywhere. |
| 3. | Novelty / Uniqueness | IOT smart agriculture products are designed to help monitor crop fields using sensors and by automating irrigation systems. |
| 4. | Social Impact / Customer Satisfaction | Large landowners and small farmers must understand the potential of IoT market for agriculture by installing smart technologies to increase competitiveness and sustainability in their productions. |
| 5. | Business Model (Revenue Model) |  |
| 6. | Scalability of the Solution | The design scale of solution has been planned in a compact manner.Scalability in smart farming refers to the adaptability of a system to increase the capacity , the number of technology devices such as sensors and actuators. |