Project Design Phase-IProposedSolutionTemplate

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| Date | 19October2022 |
| TeamID | PNT2022TMID00315 |
| Project Name | IOT Based Smart Crop Protection System For Agriculutre. |
| MaximumMarks | 2Marks |

**ProposedSolutionTemplate:**

Projectteamshallfillthefollowing informationinproposedsolutiontemplate.

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| **S.No.** | **Parameter** | | **Description** | |
| 1. | ProblemStatement(Problemtobesolved) | | Create an effective system and application that can watch over and notify users (farmers) | |
| 2. | Idea/Solution description | | Farmers may now increase production and decrease waste thanks to sensors for light, humidity, temperature, soil moisture, etc. Furthermore, farmers may check on the state of their fields from anywhere with the aid of these sensors. | |
| 3. | Novelty/Uniqueness | | Using sensors and automating irrigation systems, IOT smart agricultural solutions are intended to monitor crop areas.  As a consequence, farmers and affiliated brands can conveniently and hassle-free monitor field conditions from anywhere. | |
| 4. | Social Impact/Customer Satisfaction | | conservation of water. greatly reduces time. a rise in production quality. Production intelligence and real-time data. remote observation. | |
| 5. | Business Model(Revenue Model) | | Since everyone can understand how to utilise the product, it is simple for them to do so for their safest organisation.  The product is heavily promoted across all mediums. Due of its affordability, it even protects small farms from natural calamities. | |
| 6. | | Scalability of the Solution | | Even when there is greater disruption, the device detects the precise place and successfully warns the farmers. |