

PROJECT DESIGN PHASE- I
PROPOSED SOLUTION

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| DATE | 20 September 2022 |
| TEAM ID | PNT2022TMID40898 |
| PROJECT NAME | IoT Based Smart Crop Protection System for Agriculture |
| TEAM LEADER | Monisha TS |
| TEAM MEMBERS | Bhavatharani M , Devi S, Sowmiya A |
| MAXIMUM MARKS | 2 Marks |

Proposed Solution Template:

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

| S.No. | Parameter | Description |
|--------------|---|--|
| 1. | Problem Statement (Problem to be solved) | IoT Based Smart Crop Protection System for Agriculture |
| 2. | Idea / Solution description | The aim of the proposed work is to develop an IoT device for smart crop field monitoring system and automated irrigation system using the wireless sensor networks(WSN). . To create an IoT device for monitoring the crop field using sensors(soil moisture, temperature, Humidity,etc.,). To automate the irrigation by comparing the level of soil moisture with the threshold value. |
| 3. | Novelty / Uniqueness | Daily update about the condition of the land send to the farmers via mail. |
| 4. | Social Impact / Customer Satisfaction | Cost effective to the society. Modernization to the society. High Protection and High yield |
| 5. | Business Model (Revenue Model) | Outcome based model Data based model Platform based model. |

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| 6. | Scalability of the Solution | Start small and build out |
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