Project Design Phase-I

#### Proposed Solution

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| **Date** | **19 November 2022** |
| **Team ID** | **PNT2022TMID05601** |
| **Project Name** | **IOT Based Smart Crop Protection System for Agriculture** |
| **Maximum Marks** | **2 Marks** |

Proposed Solution

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | Usually crops in the fields are protected from birds and other unknown disturbances by humans. This take an enormous amount of time to overcome this.Creating a Smart automatic system will give benefit for the farmers in many different ways. |
|  | Idea / Solution description | Smart Farming helps the farmers to reduce waste and enhance productivity with the help of sensors (light, humidity, temperature, soil moisture,etc..) . With the help of these sensors, farmers can monitor the field conditions from anywhere. |
|  | Novelty / Uniqueness | Role of Sensors : IOT Smart Agriculture products are designed to help monitor crop fields using sensors and by automating irrigation systems. As a result, farmers and associated brands can easily monitor the field conditions from anywhere without any hassle. |
|  | Social Impact / Customer Satisfaction | Water conservation . Saves lot of time . Increased quality of production. Real time data and production insight. Remote monitoring. |
|  | Business Model (Revenue Model) |  |
|  | Scalability of the Solution | Scalability in smart farming refers to the adaptability of a system which increases the capacity , the number of technology devices such as sensors and fluctuators. |