**Project Design Phase - I**

**Proposed Solution**

Team details

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Team ID: PNT2022TMID21131

Project Name: IOT Based Smart Crop Protection System for

Agriculture

Proposed Solution Schema

1. Problem Statement:

Crops in the fields are protected against birds and other unknown disturbances by humans. This takes an enormous amount of time. Creating a smart automatic system will benefit the farmers in many ways by detection humidity and temperature.

1. Idea or Solution:

IOT Based Smart Crop Protection System for Agriculture has encourage farmers to 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.

1. Novelty or Uniqueness:

* It is designed to help monitor crop fields using sensors and by automating irrigation systems.
* As a result, farmers can easily monitor the field conditions from anywhere without any hassle.

1. Social Impact / Customer Satisfaction:

It provides great impact in growth and productivity of the cultivation has the crop been monitored and incase of any out-break it provides alert message to the user. Energy consumption is less. Save money and time consumption. Improves yield of the crop

1. Scalability of the solution:

It refers to the adaptability of a system which can improve the productivity and ensures safety of the field incase of any outbreak because numerous technologies are used to monitor entire progress of the field.