


**Project Design Phase-I**  
**Proposed Solution**

Date	03/11/2022
Team ID	PNT2022TMID26854
Project Name	<b>Project</b> – IOT Based Smart Crop Protection System for Agriculture
Maximum Marks	2 Marks

**Proposed Solution – Smart Crop protection system**

S.No.	Parameter	Description																								
1.	Problem Statement (Problem to be solved)	Sometimes crops within the fields are protected against birds and different unknown disturbances by humans. This take a vast quantity of time Creating a wise automatic system can profit the farmers in many alternative ways.																								
2.	Idea / Solution description	Smart Farming has enabled farmers to cut back waste and enhance productivity with the assistance of sensors (light, humidity, temperature, soil moisture , etc..) . any with the help of those sensors, farmers will monitor the sector conditions from anywhere.																								
3.	Novelty / Uniqueness	Role of SENSORS : IOT clever agriculture merchandise are designed to assist display crop fields the use of sensors and through automating irrigation systems. As a result, farmers and related manufacturers can without problems display the sphere situations from everywhere with none hassle .																								
4.	Social Impact / Customer Satisfaction	Water conservation . Saves lot of time . Increased exceptional of manufacturing. Real time information and manufacturing insight. Remote monitoring.																								
5.	Business Model (Revenue Model)	 <table><caption>Revenue Growth Data (2018-2028)</caption><thead><tr><th>Year</th><th>Revenue</th></tr></thead><tbody><tr><td>2018</td><td>~2.5</td></tr><tr><td>2019</td><td>~3.0</td></tr><tr><td>2020</td><td>~3.5</td></tr><tr><td>2021</td><td>11.5</td></tr><tr><td>2022</td><td>~4.0</td></tr><tr><td>2023</td><td>~4.5</td></tr><tr><td>2024</td><td>~5.0</td></tr><tr><td>2025</td><td>~5.5</td></tr><tr><td>2026</td><td>~6.0</td></tr><tr><td>2027</td><td>~6.5</td></tr><tr><td>2028</td><td>24.3</td></tr></tbody></table>	Year	Revenue	2018	~2.5	2019	~3.0	2020	~3.5	2021	11.5	2022	~4.0	2023	~4.5	2024	~5.0	2025	~5.5	2026	~6.0	2027	~6.5	2028	24.3
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6.	Scalability of the Solution	Scalability in good farming refers to the ability of a system to extend the capability , the amount of technology devices admire sensors and																								