


Proposed solution fit

Project : Iot based smart crop protection for agriculture
Team id : PNT2022TMID41830

S.NO	PARAMETER	DESCRIPTION
	Problem Statement (Problem to be solved)	Usually 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 different ways.
	Idea / Solution description	Smart Farming has enabled farmers to reduce waste and enhance productivity with the help of sensors (light, humidity, temperature, soil moisture, etc..).
	Novelty / Uniqueness	Role of SENSORS : IOT smart agriculture products are designed to help monitor crops in 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 a lot of time . Increased quality of production. Real time data and production insight. Remote monitoring.

	Business Model (Revenue Model)	 <table><tr><th>Year</th><th>Revenue</th></tr><tr><td>2018</td><td>1.5</td></tr><tr><td>2019</td><td>1.8</td></tr><tr><td>2020</td><td>2.1</td></tr><tr><td>2021</td><td>3.5</td></tr><tr><td>2022</td><td>2.8</td></tr><tr><td>2023</td><td>3.1</td></tr><tr><td>2024</td><td>3.4</td></tr><tr><td>2025</td><td>3.7</td></tr><tr><td>2026</td><td>4.0</td></tr><tr><td>2027</td><td>4.3</td></tr><tr><td>2028</td><td>24.3</td></tr></table>	Year	Revenue	2018	1.5	2019	1.8	2020	2.1	2021	3.5	2022	2.8	2023	3.1	2024	3.4	2025	3.7	2026	4.0	2027	4.3	2028	24.3
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	Scalability of the Solution	Scalability in smart farming refers to the adaptability of a system to increase the capacity, the number of technology devices such as sensors and actuators																								