

Project Design Phase-1

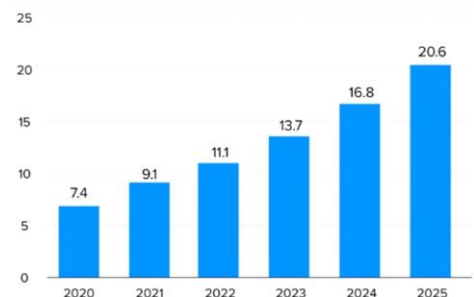
Proposed Solution Template

Date	15 November2022
Team ID	PNT2022TMID46489
Project Name	Smart Farmer – IOT Enabled Smart Farming Application
Maximum Marks	4 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)	<ul style="list-style-type: none">Challenges faced by IOT in agriculture are high adoption, security concerns, information lackness.Most of the farmers use large portions of farming land and it becomes very difficult to reach and track each corner of large lands. Sometime there is a possibility of uneven water sprinkles.
2.	Idea / Solution	<ul style="list-style-type: none">Further with the help of these sensors, farmers can monitor the field conditions from anywhere.Smart Farming has enabled farmers to reduce waste and enhance productivity with the help of sensors (light, humidity, temperature, soil moisture, etc..)
3.	Novelty / Uniqueness	<ul style="list-style-type: none">As a result, farmers and associated brands can easily monitor the field conditions from anywhere without any hassleIOT smart agricultureproducts are designed to help monitor crop fields using sensors and by automating irrigation systems.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none">Increased productionReal time data and production insight.Pests detectionWater conservationSaves lot of time

5.	Business Model (Revenue Model)	 <table><tr><th>Year</th><th>Revenue</th></tr><tr><td>2020</td><td>7.4</td></tr><tr><td>2021</td><td>9.1</td></tr><tr><td>2022</td><td>11.1</td></tr><tr><td>2023</td><td>13.7</td></tr><tr><td>2024</td><td>16.8</td></tr><tr><td>2025</td><td>20.6</td></tr></table>	Year	Revenue	2020	7.4	2021	9.1	2022	11.1	2023	13.7	2024	16.8	2025	20.6
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6.	Scalability of the Solution	<ul style="list-style-type: none">o Scalability in smart farming refers to the adaptability of a system to increase the growth of farming.														