

PROJECT DESIGN PHASE-I

Proposed Solution Template

Date	01 November 22
Team ID	PNT2022TMID26085
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.

1. PROBLEM STATEMENT (PROBLEM TO BE SOLVED)

- Sometimes, during the rainy days the soil of the fertile land will be wet. At that time, the farmer is unable to predict, how much water should be supplied for the plants, if surplus water is supplied there will be a higher chance for the plant to get spoiled. This issue can be solved using the sensor which is integrated with the processing unit.

2. IDEA / SOLUTION DESCRIPTION

- Smart Farming has enabled farmers to use the resources precisely with the help of some sensors such as, humidity, temperature, soil moisture, etc.
- Using the smart farming based on IoT the farmers can access and monitor the farm from anywhere in the world.

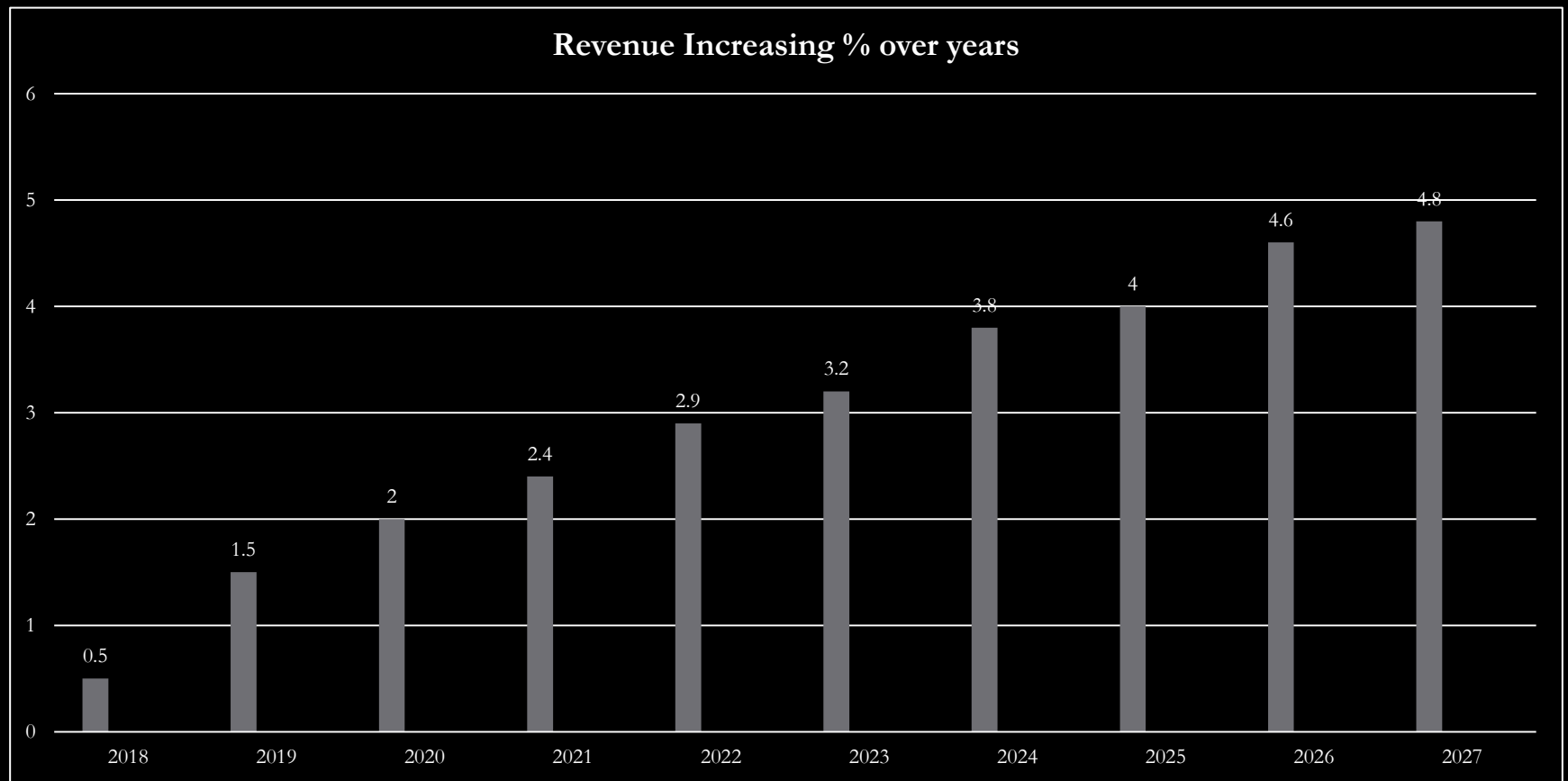
3. NOVELTY / UNIQUENESS

- IoT smart agriculture systems are designed to help the farmers to monitor their crops, fields, weather conditions using different sensors.
- Farmers and associated franchise can easily monitor the field conditions from anywhere in the world without any hassle.

4. SOCIAL IMPACT / CUSTOMER SATISFACTION

- Water conservation.
- Usage of resource precisely.
- Increased quality of production.
- Protection of crops.

5. BUSINESS MODEL (REVENUE MODEL)



6. SCALABILITY OF THE SOLUTION

- Scalability in smart farming refers to the adaptability of a system to increase the number of technology devices such as sensors and actuators.