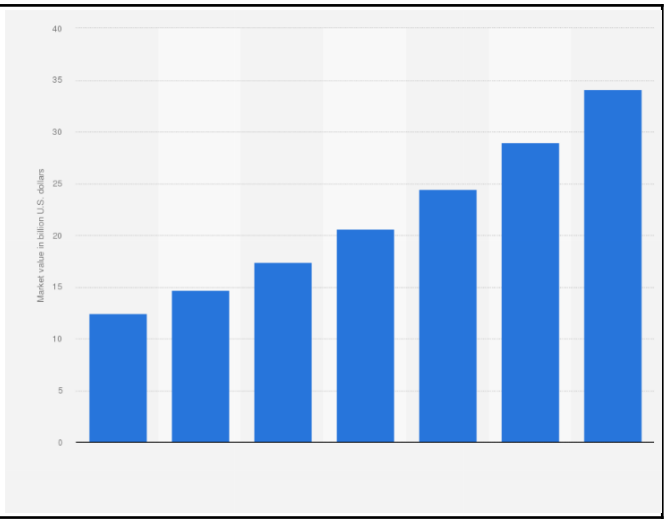
Project Design Phase-I
Proposed Solution
Template

Date	27-10-2022
Team ID	PNT2022TMID10305
Project Name	Smart Farmer – IOT Enabled Smart Farming Application

Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	o The biggest challenges faced by IoT in the agricultural sector are lack of information, high adoption costs, and security concerns, etc. Most of the farmers are not aware of the implementation of IoT in agriculture. o Numerous farmers use plenty field of farming lands and it becomes difficult for the farmers to track and analyse the process regularly.Sometime there is a possibility of uneven water sprinkles
2.	Idea / Solution description	o Smart Farming has enabled farmers to reduce waste and enhance productivity with the help of sensors such as light, humidity, temperature, soil moisture,etc… o With the help of these sensors, farmers can monitor the field conditions from anywhere.
3.	Novelty / Uniqueness	o IOT smart agriculture products are designed to help monitor crop fields using sensors and by automating irrigation systems. o By using this, farmers can easily monitor the field conditions from anywhere without any hassle.
4.	Social Impact / Customer Satisfaction	o Increased quality of production o Water conservation o Real time data and production insight. o Remote monitoring. o Saves lot of time

5.	Business Model (Revenue Model)	
6.	Scalability of the Solution	o Scalability in smart farming refers to the adaptability of a system to increase the crop growth and farmers usability among various Iot Technologies.

		capacity , the number of technology devices such as sensors and actuators.