

Project Design Phase-I

Proposed Solution Template

Date	24/09/2022
Team ID	PNT2022TMID08084
Project Name	IOT-SMART FARMING
Maximum Marks	

Proposed solution:

Farmers can monitor the crops from the analytical dashboard and take action based on insights. A few solutions are crop monitoring, local weather monitoring, soil quality monitoring, irrigation control.

S.No	Parameter	Description
1	Problem statement (problem to be solved)	In order to the growth of crops at proper time interval, thereby getting proper information regarding crops using IOT technology makes the complication easier
2	Idea / Solution description	IOT based smart agriculture allows farmers to constantly monitor the field and live stock conditions by the use of IOT sensors. Software and data enables them to informed decisions regarding the same
3	Novelty / Uniqueness	This allows them to detect any problems early on and take corrective action before they become serious, as a result, crops are healthier and produce higher quality yields by using IOT
4	Social Impact / Customer Satisfaction	Transforming the agriculture industry like never before by empowering farmers and growers by using IOT technology to deal with the enormous challenge they face in the daily routine of agricultural practices, thereby supporting farmers to overcome the hurdles by implementing the sensor techniques
5	Business Model (financial Benefit)	Farming insures high yields increases in profit and protects the environment, high quality and quantity of crop yield thus decreasing operational costs while still making the profit
6	Scalability of Solution	Smart farming used through IOT is good compared with other platforms because it is so efficient and productivity with in nature, smart farming is provide better customer satisfaction as it is works according to the customer needs and services, it also as good mobility and agility in transferring the required product when it is in emergency