

Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID43384
Project Name	Project – Smart Farmer -IoT Enabled Smart Farming Application
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The project will enable various facilities for farmers by using IOT technology and also makes the work of farmers easy.
2.	Idea / Solution description	The idea was considering various factors for the better growth of farming. The solution for the idea was monitoring soil factors, temperature and effect of pesticides by use of sensors and passing the information from these to the farmers by SMS.
3.	Novelty / Uniqueness	According to the information obtained from sensors, farmers can turn on their motors if required from anywhere by using their mobile phones.
4.	Social Impact / Customer Satisfaction	The project will make the work of farmers easy and will also save water, electricity and time spent for farming land. The production will increase when we use these technologies.
5.	Business Model (Revenue Model)	If the production increases due to this technology, there will be an increase in income for farmers and this will become a better revenue model because this project will work for climatic changes and enhance the standard of farming.
6.	Scalability of the Solution	The quality and quantity of agriculture can be increased. The project can also be expanded by introducing smart pest management, 24/7 monitoring by drones, smart removing of greenhouse gas emissions and smart selling of agricultural products.