

Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID17614
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)	For developing the ability of the farmer to increase productivity by effectively managing the resources and obtaining a greater harvest with the aid of the Internet of Things and AI/ML.
2.	Idea / Solution description	By using Smart Farming techniques like IOT-based agricultural application.
3.	Novelty / Uniqueness	Solar power can be used for additional power supports and we can gather information on various soil types and predict the yield for the targeted crop to be successfully grown.
4.	Social Impact / Customer Satisfaction	Methods that can overcome various climatic conditions, Work load management, Time management etc.
5.	Business Model (Revenue Model)	Increase in productivity, cost efficient, Fuel efficient, Eco-friendly.
6.	Scalability of the Solution	By adopting new innovations in the existing techniques will help to increase the productivity.