Project Design Phase-I
Proposed Solution

Team ID	PNT2022TMID36144
Project Name	Smart farmer - IOT Enabled Smart Farming Application

Proposed Solution:

S.No	Parameter	Description
1.	**Problem Statement (Problem to be solved)**	• Our project will give the solution to overcome theseproblems with help of IOT. • In agriculture, there are two major problems one is unpredictable climate change and another one is the yields of the crops that have been damaged by improper irrigation.
2.	**Idea / Solution description**	• It collects the data from different types of sensors and it sends the value to the main server. • It also collects the weather data from the weather API. • The ultimate decision, whether to water the crop or not is taken by the farmer using mobile application.
3.	**Novelty / Uniqueness**	• It depends on IOT thus eliminating the need of physical work of farmers and thus increasing the productivity in every possible manner. • The weather data are taken from the reliable source.
4.	**Social Impact / Customer Satisfaction**	• The information collected are from reliable sources and hence the farmer could make more precise decision, thereby the productivity increases.
5.	**Business Model (Revenue Model)**	• Smart farming is an advanced and innovative way to get maximum cultivation and minimize the human efforts.
6.	**Scalability of the Solution**	• Automatic farming equipment adjustment is made feasible by integrating information such as crops/weather and equipment to automatically alter temperature, humidity, andso on. • With the use of sensors, it has enabled Farmers to reduce waste and increase output.