

## Project Design Phase-I

### Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID27262
Project Name	Project – Smart farmer-IOT Enabled Smart Farming Application
Maximum Marks	2 Marks

#### Proposed Solution Template:

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	lot based farming application that will notify the Temperature, Soil Moisture, Humidity content to the farmers. This application uses various sensors for these parameters to get calculated. The Proposed system collects information related to farm.
2.	Idea / Solution description	Smart farmers are able to detect irrigation necessities based on weather recording and forecast, plant estimated needs, soil moisture, etc. while detecting defaults in the irrigation system. This avoids time consuming checking of the systems on the field, it optimizes efficiency of irrigation and avoids potential loss of crops.
3.	Novelty / Uniqueness	Eliminating the use 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	Increased production: the optimisation of all the processes related to agriculture and livestock-rearing increases production rates. Water saving: weather forecasts and sensors that measure soil moisture mean watering only when necessary and for the right length of time.
5.	Business Model (Revenue Model)	First a free trail is given to users to unlock certain features a certain amount needs to be paid. After wards they can do 3 types of subscription model like: monthly, half-yearly, yearly.
6.	Scalability of the Solution	The applications of intelligent Agriculture solutions not only target conventional,

		large farming. With operations, but could also be new levers to uplift other growing or common trends in agricultural like organic farming, family farming (complex or small spaces, particular cattle and/or cultures, preservation of specific or high-quality varieties, etc.), and enhance highly transparent Farming.
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