

Project Design Phase-I
Proposed Solution Template

Date	08 October 2022
Team ID	PNT2022TMID20965
Project Name	Project – IOT ENABLED SMART FARMING
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)	Our project will be give the problem statement in Smart farming application using IOT. History-based soil health parameters like soil moisture, pHlevel, temperature etc.
2.	Idea / Solution description	The most frequently used applications of IoT in agriculture are drones for monitoring fields and spraying crops, health assessment of livestock and irrigation.
3.	Novelty / Uniqueness	Smaíť faímíng, which involves the application of sensoís and automated írfígaťion píáctices, can help monitoí agfícultuál land, tempeíatuíe, soil moístuíe, etc. Thís would enable faímeís to monitoí cíops fírom anywheíe
4.	Social Impact / Customer Satisfaction	Incíeased píódućion: the optimísation of all the píóćesses íelated to agfícultuíe and livestock-feáíng incíeases píódućion fates. Wateí saving: weatheí foíecasts and sensoís that measuíe soil moístuíe mean wateíng only when necessaíy and foí the ííght length of time
5.	Business Model (Revenue Model)	Climate-smaíť agfícultuíe ís a pathway towaíds development and food secuíty buílt on thíee píllaís: incíeasing píódućtívity and incomes, enhanćing íesílience of lívelíhoods and ecosystems and íedućing and íemovíng gíeenhouse gas emíssíons fírom the atmospheíe
6.	Scalability of the Solution	Smaíť Faímíng systems uses modeín technology to incíease the quantity and quality of agfícultuál píódućts. Lívestock tíacking and Geo fencing. Smaíť líogístícs and waíehousíng. Smaíť pest management. Smaíť Gíeenhouses