

# PROJECT DESIGN PHASE - I

## Proposed solution template

<b>Date</b>	04 November 2022
<b>Team Id</b>	PNT2022TMID18018
<b>Project Name</b>	Smart Farmer-IOT Enabled Smart Farming Application
<b>Maximum Marks</b>	2 Marks

### Proposed Solution Template:

<b>s.no</b>	<b>Parameter</b>	<b>Description</b>
1.	Problem statement (Problem to be solved)	The loss of crops and decreased field productivity are both results of over use of pesticides and fertilisers in agricultural areas.
2.	Idea/ Solution description	Integrated pest management, polyculture and other sustainable agricultural methods, agronomic practises, and the use of less dangerous pesticides.
3.	Novelty/Uniqueness	There has been a lot of recent research into smart IOT-based products to help with smart farming and pest management. It was created to track the level of pesticides using sensors.
4.	Social Impact/customer satisfaction	Enhancing output, preventing crop losses, and controlling illness.

5.	Business model (Revenue model)	The project uses thermography sensors, which are less expensive than the existing ideas.
6.	Scalability of the solution	The method recommends applying good quality fertiliser to the soil based on all of the inputs.