Project Design Phase-I
Proposed Solution Template

Date	27 October 2022
Team ID	PNT2022TMID43116
Project Name	SmartFarmer- IOT Enabled Smart Farming Application
Maximum Marks	2 Marks

Proposed Solution Template:

S.No	Parameter	Description
1.	Problem Statement (Problem to be solved)	Developing a smart farming application to monitor and crop growth.
2.	Idea / Solution description	Irrigation sensor consist of a camera embedded in a waterproof and closed chamber.
3.	Novelty / Uniqueness	Grey scale analysis is used to differ between light and dark pixel.
4.	Social Impact / Customer Satisfaction	Farmer can monitor live movements in the field directly via UI.
5.	Business Model (Revenue Model)	The sensors installed in field imported in application.
6.	Scalability of the Solution	The crop growth can be monitored via camera and ultrasonic sensor providing the scalability of 100% .