Project Design Phase-I
Proposed Solution Template

Date	23 September 2022
Team ID	PNT2022TMID33034
Project Name	Project – Fertilizers Recommendation System for disease prediction
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)	• Farmers are unable to detect crop diseases due to a lack of knowledge and old practices • Growing only certain crops depletes the soil and if the crops are harmed by illnesses
2.	Idea / Solution description	•if the crop is affected with which disease, and a viable remedy is then offered to the user. •The prediction of crop yield based on location and proper implementation of algorithms have proved that the higher crop yield can be achieved.
3.	Novelty / Uniqueness	• Implement Smart Irrigation system For farms to get higher yield • Crop diseases detection using image processing in which user get pesticides based on disease images
4.	Social Impact / Customer Satisfaction	• Providing Complete irrigation data through cloud computing • Efficient utilization of existing knowledge through artificial intelligence
5.	Business Model (Revenue Model)	• The proposed method uses SVM to classify tree leaves, identify the disease and suggest the fertilizer • For crop yield prediction Support Vector Machine is good

6.	Scalability of the Solution	• Support Vector Machine • Random Forest algorithm