Project Design Phase-I
Proposed Solution Template

Date	10 october 2022
Team ID	PNT2022TMID26444
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	Problem Statement (Problem to be solved)	• Because of a lack of expertise and outdated procedures, farmers are unable to identify crop diseases. • When only a few crops are grown, the soil becomes depleted, and if the crops are injured by diseases,
2.	Idea / Solution description	• If there is a sickness affecting the crop, the user is then presented with a workable cure. • The ability to anticipate agricultural yield based on location and the effective application of algorithms has demonstrated that a higher crop yield is possible.
3.	Novelty / Uniqueness	• Use a smart irrigation system on farms to increase production • Using image processing to detect crop illnesses so that users can order herbicides based on disease photos
4.	Social Impact / Customer Satisfaction	• Using cloud computing to provide complete irrigation data • Effective use of current knowledge via artificial intelligence
5.	Business Model (Revenue Model)	• The suggested method use SVM to categorise tree leaves, detect disease, and provide fertilizer • Support Vector Machines are effective at predicting crop yields.

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