

Project Design Phase-I
Proposed Solution Template

Date	24 Sept 2022
Team ID	PNT2022TMID07943
Project Name	Fertilizers Recommendation System For Disease Prediction
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Diseases on plants placed a major constraint on the production and a major threat to food security. Hence, early and accurate identification of plant diseases is essential to ensure high quantity and best quality. The number of diseases on plants and the degree of harm caused has increased due to the variation in pathogen varieties, changes in cultivation methods, and inadequate plant protection techniques.
2.	Idea / Solution description	An automated system is introduced to identify different diseases on plants by checking the symptoms shown on the leaves of the plant. Deep learning techniques are used to identify the diseases and suggest the precautions that can be taken for those diseases.
3.	Novelty / Uniqueness	We use Notification system to Notify the user about the daily market pricing and Fertilizer Subsidies that are provided by the Government in the language the user choose.
4.	Social Impact / Customer Satisfaction	Diseases on plants placed a major constraint on the production and a major threat to food security. Early Suggestion of Fertilizers is made happened , So that good Quality of food is produced.
5.	Business Model (Revenue Model)	Using : Early disease prediction , Suitable Fertilizer Recommendation Without Using : Low quality Food Production , User unaware of GOVT Subsidies.
6.	Scalability of the Solution	Early user Recommendation of the Fertilizers that are Suitable to avoid disease infection in plants.