

**Project Design Phase-I**  
**Proposed Solution Template**

Date	25 September 2022
Team ID	PNT2022TMID-12065-1659368857
Project Name	Project - FERTILIZER 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)	To detect the diseases in the plants at the early stages caused due to several pests and micro organisms and recommend fertilizers to prevent the crops from destruction.
2.	Idea / Solution description	Categorizing the diseases of plants based on the pest. Dataset and images of the plant diseases are compared with a existing images using CNN algorithm.
3.	Novelty / Uniqueness	Automatic detection of plant diseases using deep learning models.
4.	Social Impact / Customer Satisfaction	Useful for farmers to detect the exact diseases of plants at the early stages and taking steps to treat the plants based on their diseases.
5.	Business Model (Revenue Model)	Web application should be accessed by almost all farmers all over the world. Web application should be at low cost.
6.	Scalability of the Solution	Based on the previous dataset the model can guess new diseases.