

PROPOSED SOLUTION

Date	24 September 2022
Team ID	PNT2022TMID53344
Project Name	Project - Fertilizers Recommendation System For Disease Prediction
Maximum Marks	2 Marks

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none">- To solve the financial loss and fertilizer wastage.- To solve usage of incorrect fertilizers.
2.	Idea / Solution description	<ul style="list-style-type: none">- An automated system is introduced to identify different diseases on plants by checking the symptoms shown on the leaves of the plant by capturing the images.- Deep learning techniques are used to identify the diseases and suggest appropriate fertilizer that can be taken for those diseases.
3.	Novelty / Uniqueness	<ul style="list-style-type: none">- Instant solutions for farmer's queries.- Capturing images from multiple angles to achieve higher model accuracy.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none">- Creates an increased awareness about crop diseases.- Prevents farmers from using wrong fertilizers.

5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> - Helpline support for resolving app related issues. - Service availability depends on the plan subscribed by the farmers.
6.	Scalability of the Solution	<ul style="list-style-type: none"> - Can be used on a large or small scale, making it practical for farmers as well as common people. - Future diseases that are found and the preventative fertiliser for them can easily be incorporated into the current model, making it highly scalable.