

Project Design Phase-I
Proposed Solution Template

Date	07 NOVEMBER 2022
Team ID	PNT2022TMID36980
Project Name	Project – Fertilizer Recommendation system for disease prediction
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Plant disease reduces the production and quality of food, fibre and biofuel crops. It has been a major factors that influencing the farmers life as well as our life. • To overcome this problem we develop this project to predict the plant if the crop is affected with which disease, and a viable remedy is then offered to the user.
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> • Crop diseases detection using image processing in which user get pesticides based on disease images. • To predict the accurate disease for plant and crops we add more image dataset with wider variations are trained. • Most of the farmers are uneducated so we develop the system which is easily accessible by anyone.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> • Providing Complete irrigation data through cloud computing. • It helpful for farmers to increase productivity. Increase the usability of natural manure. • Efficient utilization of existing knowledge through artificial intelligence.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> • As long as this system is beneficial to users, subscriptions will increase which gives benefits to industry.
6.	Scalability of the Solution	<ul style="list-style-type: none"> • Useful for those who don't know the basic about cultivation.