Project Design Phase-I

Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID29709
Project Name	Fertilizer Recommendation System For Disease Prediction
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Agriculture impacts society in many ways.In farming,plants are affected by different bacterial &fungal diseases. So we need to control that.AI technology helps in **detecting disease in plants, pests and poor nutrition of farms**. AI sensors can detect and target weeds and then decide which herbicide to apply within the region. This helps in reduced usage of herbicides and cost savings.
2.	Idea / Solution description	The basic idea is to find the diseases in early stages. A digital camera or similar devices are used to take images of different types, and then those are used to identify the affected area in leaves. AI can provide farmers with real-time insights from their fields, allowing them to identify areas that need irrigation, fertilization, or pesticide treatment.
3.	Novelty / Uniqueness	*Find or predict the fertilizer subject to soil situation and condition to reduce the plant disease
4.	Social Impact / Customer Satisfaction	*Use bio -based pesticides. *Serving famer friendly by helping them to take a step to reduce loss in economical ways and improve the crop quality in efficient way.
5.	Business Model (Revenue Model)	The application gradually rollout the updates for future. The app is based on subscription basis.
6.	Scalability of the Solution	The fertilizer is sold in online mode, so it is cost effective. The main reason that eCommerce typically involves sellers interacting directly with consumers, cutting out middlemen such as distributors.