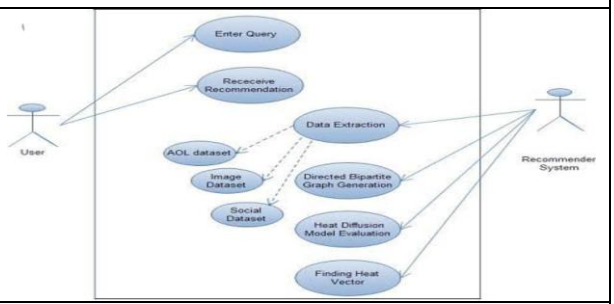
Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID19575
Project Name	Project – Fertilizer Recommendation System for Disease Predication
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)	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.
2.	Idea / Solution description	In this project a system is developed in which Voting Based Ensemble. Classifier is applied to recommend the appropriate crops This system Also proposes the required fertilizer to boost the nutrients contained .In the soil and thus enhance the yield of the crop. Thus, there arises a need for suggesting suitable crops and fertilizers using machine learning algorithm.
3.	Novelty / Uniqueness	a) Naïve Bayes Classifier Naïve Bayes b) CHAID Classifier Chi square Automatic Interaction Detection (CHAID) c) Random Forest Classifier Random forest algorithm
4.	Social Impact / Customer Satisfaction	Machine Learning is a technique that uses complex algorithms and a collection of predefined rules to operate intelligently. It uses past data to read the patterns and then perform the intended task.
5.	Business Model (Revenue Model)	
6.	Scalability of the Solution	Alternate crop rotation module provides the additional three different crops that can be grown for that soil conditions. The proposed

		crop recommendation system provides 92% of accuracy.