Project Design Phase-I Problem – Solution Fit

Team ID	PNT2022TMID07568
Project Name	Fertilizers Recommendation System For Disease Prediction
Maximum Marks	2 Marks

1. CUSTOMER SEGMENT(S) The foremost users of the application are going to be the Farmers and people interested in farming	Financial instability is a fundamental reason for technological improvement Networking capabilities may be insufficient in remote areas	To predict the disease plant image have to be uploaded Some past tries of the farmer include manual detection of disease and fertilizer purchase Pros of the solution include fast and reliable fertilizer recommendation
Crops/plants get affected by insects or by any other plant disease Leaves/roots of the plant may get affected by its own nutrition deficiency Plants may also be spoiled by extreme weather conditions Irrespective of external conditions, irregular/dull manual maintenance can cause delays in plants	One of the reasons that this problem exists is because of the poor understanding of the requirements of the crop/plant As there is a decrease in the yield of many Indian varieties, the software system would be indispensable The farmers can adapt their culture to automation for the betterment of yield	 Farmers can use the web application functionalities like computer vision to detect the plant disease and recommend the correct fertilizer Thereby finding the necessary features in the application is significant
Social media platforms and daily television/new or newspaper impact people mentality to upgrade into a new and easy life lifestyle of automation and seeing their neighbor using new technology, reading about a more efficient solution in the news 4. EMOTIONS: BEFORE / AFTER Customers may get stressed after facing a technical error, fertilizer does not render anexpected yield or slow processing of the system		8. CHANNELS of BEHAVIOUR 8.1 ONLINE • Customer can upload the image of the diseased plant and wait for the processed recommendation from the system. • They can view the nearby fertilizer shop 8.2 OFFLINE People may get an assistance of experienced people to know the disease and then look for homemade remedies to cure the infected plants