Project Title: Fertilizer Recommendation System for Disease Prediction   **Project Design Phase-I – Solution Fit Template**   **Team ID:** PNT2022TMID33888

Define CS, fit into CC

1. CUSTOMER SEGMENT(S)   CS
Who is your customer?
Farmers and people who are fond of
 plants and crops.

4. CUSTOMER CONSTRAINTS   CC
What constraints prevent your customers
from taking action or limit their choices
of solutions?
- Power consumption,
- Low budget
- No cash
- Poor network connection
- Device compatability.

7. AVAILABLE SOLUTIONS   AS
Which solutions are available to the
customers when they face the problem or
need to get the job done? What have they
tried in the past? What pros & cons do these
solutions have?
They may have used traditional methods of
finding the diseases and used according to
the need.
Cons
Took more time to identify the disease.

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

2. JOBS-TO-BE-DONE / PROBLEMS   J&P
Which jobs-to-be-done (or problems) do
you address for your customers?
Diseases in the plants are detected
using artificial neural network.

5. PROBLEM ROOT CAUSE   RC
What is the real reason that this
problem exists? What is the back
story behind the need to do this
job?
Diseases in plants destruct the crop
production which leads to scarcity of food
for the growing population, there is a need
of high productivity. So there is a need of
immediate detection of diseases.

8. BEHAVIOUR   BE
What does your customer do to address the
problem and get the job done?
Customers report their problems using the
chat box and they find the solution for their
problem by uploading the images of the
diseased crop.
Preventive measures and Recommendation
of fertilizers are given by the web
application.

Focus on J&P, tap into BE, understand RC

3. TRIGGERS
TR
What triggers customers to act?
The destruction of crop affects
the agriculture. Hence farmers
take immediate action.

6. YOUR SOLUTION
SL
Detection of plant diseases using
automated model. Helps in the immediate
detection of plant diseases.

9. EMOTIONS: BEFORE / AFTER
EM
How do customers feel when they face a
problem or a job and afterwards?
Insecure and Loss of confidence

Identify