**Project Title: Fertilizers Recommendation System For Disease Prediction Project Design Phase-I** - **Solution Fit Template** **Team ID:** PNT2022TMIDxxxxxx

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or need to get the job done? What have they tried in the past? What pros & cons do these solutions have? i.e. pen and paper is an alternative to digital notetaking

**AS**

**5. AVAILABLE SOLUTIONS**

Which solutions are available to the customers when they face the problem

What constraints prevent your customers from taking action or limit their choices

of solutions? i.e. spending power, budget, no cash, network connection, available devices.

**CC**

**6. CUSTOMER CONSTRAINTS**

**CS**

**1. CUSTOMER SEGMENT(S)**

Who is your customer?

i.e. working parents of 0-5 y.o. kids

**Explore AS, differentiate**

**Define CS, fit into CC**

Farmers are our prior customer.

Research scientists can also make use of this application.

The farmers who lacks in the knowledge of technology usage i.e., Not knowing how to use mobile phones cannot use application are at a disadvantage.

In the past, the farmers have to wait until they get an report regarding the disease from the lab experts. Now by using our application they can find out the disease by themselves easily without the need of lab experts.

i.e. directly related: ﬁnd the right solar panel installer, calculate usage and beneﬁts; indirectly associated: customers spend free time on volunteering work (i.e. Greenpeace)

**BE**

**7. BEHAVIOUR**

What does your customer do to address the problem and get the job done?

**RC**

**9. PROBLEM ROOT CAUSE**

What is the real reason that this problem exists? What is the back story behind the need to do this job?

i.e. customers have to do it because of the change in regulations.

**J&P**

**2. JOBS-TO-BE-DONE / PROBLEMS**

Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides.

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

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

The main cause of plant disease is due to bacteria, fungi, viruses and certain types of insects. This occurs due to improper maintenance and fertilizer usage on plants.

The customer just needs to upload the image of the disease affected leaf in the application so that, the application can compare the image with the other disease data.

Our goal is to create an application to find the diseases that is spread throughout the plant.

**Identify strong TR & EM**

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| **Identify strong TR & EM** | **3. TRIGGERS TR**  What triggers customers to act? i.e. seeing their neighbour installing solar panels, reading about a more efﬁcient solution in the news.  We can advertise the application and allow the user to access one free trial by creating a user id. | **10. YOUR SOLUTION SL**  If you are working on an existing business, write down your current solution ﬁrst, ﬁll in the canvas, and check how much it ﬁts reality.  If you are working on a new business proposition, then keep it blank until you ﬁll in the canvas and come up with a solution that ﬁts within customer limitations, solves a problem and matches customer behaviour.  Our solution is to create a application which uses image processing to capture the diseased occurred plant image and compare it with the data. | 1. **CHANNELS of BEHAVIOUR CH**     1. **ONLINE**   What kind of actions do customers take online? Extract online channels from #7   * 1. **OFFLINE**   What kind of actions do customers take ofﬂine? Extract ofﬂine channels from #7 and use them for customer development.  8.1-During online mode, the customer can utilise the application to get the necessary disease information.  8.2-During offline mode, the previous disease data that are downloaded and the search history can be viewed. |  |
| **4. EMOTIONS: BEFORE / AFTER EM**  **Identify strong TR & EM**  How do customers feel when they face a problem or a job and afterwards?  i.e. lost, insecure > conﬁdent, in control - use it in your communication strategy & design.  Before using this application, the farmers would be very terrified without knowing what kind of disease their plant has caught but after using the application they will get a relief knowing what the disease Is. |