Project Design Phase-I - Solution Fit Template

Project Title: Emerging Methods for Early Detection of Forest Fires

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Define CS, fit into CC

1. CUSTOMER SEGMENT(S)

CS

Who is your customer?
i.e. working parents of 0-5 y.o. kids

1. To the People surrounding forest areas.
2. All the living beings in the forest

6. CUSTOMER

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.

1. Constant requirement of connection.
2. Cameras that are water proof and sun proof.
3. Unlimited power supply

5. AVAILABLE SOLUTIONS

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

1. Using latest technology and sensors
2. Various Deep learning algorithms like CNN
3. Alert is sent via messages

Explore AS, differentiate

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

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

1. Detecting smallest sparks at the earliest level is difficult
2. Connection should always be there
3. Cameras should work effectively

9. PROBLEM ROOT CAUSE

RC

What is the real reason that this problem exists? What is the back story behind

1. The problem exists because there is little or no importance given to prevent forest fires.
2. Efficient solutions are not used to detect forest fires

7. BEHAVIOUR

BE

What does your customer do to address the problem and get

i.e. directly related: find the right solar panel installer, calculate usage and

1. All the areas should be given importance equally.
2. The system should work properly in all the climatic conditions.

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

Identify strong TR & EM

3. TRIGGERS TR

1. Correct Detection
2. Alarm Alert
3. Efficient Algorithm

4. EMOTIONS: BEFORE / AFTER EM

Before	After
*Unable to detect small Sparks	*Able to detect small sparks
*Cameras should be Always in motion	*360 degree view of camera

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.

1. More cameras should be fixed to monitor in forests.
2. Even Small sparks detected should be given at most importance
3. This system should be used in all type and ranges of forests.

8. CHANNELS of BEHAVIOUR CH

1. ONLINE

What kind of actions do customers take online? Extract online channels from #7

*Available directly to the user or the forest department through internet

2. OFFLINE

What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development.

*Alarm system can be activated and alerts can be sent via offline messages