# Project Design Phase-I Problem – Solution Fit Template

Date	23 September 2022
Team ID	PNT2022TMID29114
Project Name	Smart-Agricultural
Maximum Marks	2 Marks

# **Problem – Solution Fit Template:**

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why

# **Purpose:**

Solve complex problems in a way that fits the state of your customers.
Succeed faster and increase your solution adoption by tapping into existing mediums and
channels of behavior.
Sharpen your communication and marketing strategy with the right triggers and messaging
Increase touch-points with your company by finding the right problem-behavior fit and
building trust by solving frequent annoyances, or urgent or costly problems.
Understand the existing situation in order to improve it for your target group.

# Template:

# Project Design Phase-I - Solution Fit



#### 3. TRIGGERS

Farmers struggle to provide adequate irrigation. Inadequate water supply reduces yields and affects farmers' profit levels. Farmers have a hard time predicting the weather.

### 4. EMOTIONS: BEFORE / AFTER

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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: Lack of knowledge in weather forecasting →Random decisions →low yield. AFTER: Data from reliable source →

correct decision  $\rightarrow$ high yield

#### 10. YOUR SOLUTION

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SL If you are working on an existing business, write down your current solution first, fill in the carryas, 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 carray and come up with a solution that fiss within customer limitations, solves a problem and matches customer behaviour

Our product collects data from various types of sensors and sends the values to our main server. It also collects weather data from the Weather API. The final decision to irrigate the crop is made by the farmer using a mobile application.

#### 8. CHANNELS of BEHAVIOUR

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

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

ONLINE: Providing online assistance to the farmer, in providing knowledge regarding the pH and moisture level of the soil. Online assistance to be provided to the user in using the product

OFFLINE: Awareness camps to be organized to teach the importance and advantages of the automation and IoT in the development of agriculture.