Project Title: Smart Farmer- IOT Enabled Smart Farming Application

Project Design Phase-I - Solution Fit Template

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Define CS, fit into CC

1. CUSTOMER SEGMENT(S) — CS

Who is your customer?

Recently skill acquired migrants all over the India who had returned to their natives during the Pandemic Covid-19 had chosen farming as their profession and are not interested go back. These migrants can now move closure to smart agriculture systems as it takes lesser time than traditional farmers to convince the adopt for the implementation of Smart agriculture system

6. CUSTOMER CONSTRAINTS — CC

What constraints prevent your customers from taking action or limit their choices of solutions?
1.Lower operation costs
2.Better production quality
3.Reduced footprint.

5. AVAILABLE SOLUTIONS — AS

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

1.Use IoT innovation and SMS notification to address the critical part of farming.
2.Highlight features incorporates a keen water system with excellent control and insightful basic leadership in terms of exact continuous field information which regulates temperature, moisture and soil dampness of a particular crop

Explore AS, differentiat

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?

1. use IoT innovation and SMS notification to address the critical part of farming. The past method of incorporating a keen water supply system with smart ideas

2.The development of Intelligent Smart Farming IoT based devices is day by day turning the face of agriculture production by not only enhancing it but also making it cost-effective and reducing wastage.

9. 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?

Farming is the backbone of the economy and it is the fundamental method for occupation. The large population of the world depends on farming for living day to day life. Around 70% of the Indian population depends on cultivation. Most of the cultivation cannot be productive only by physical activities so have to be handled by innovative technologies. Therefore, they use IoT innovation and SMS notification to address the critical part of farming..

7. BEHAVIOUR — BE

What does your customer do to address the problem and get the job done?
To automate the agricultural activities like water management, soil monitoring, crop management, livestock monitoring etc. different types of sensor are used. Smart Greenhouses protect the plants from extreme weather. To control all these operations remote smart devices, computers connected with the internet, sensor, camera, micro-controller etc. are used

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

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.

10. YOUR SOLUTION — SL

We are developing a application for the farmer using Iot which is useful for to identify the disease and get benefited

8.CHANNELS of BEHAVIOUR — CH

8.1 ONLINE

Online

Identify strong TR & EM

4. EMOTIONS: BEFORE / AFTER

EM

How do customers feel when they face a problem or a job and afterwards?
They feel secure and confident using this application which is based on Iot and it has better production quality and saved water .