**Project Title: Project Design Phase-I** - **Solution Fit Template**

To get correct accuracy on what to be done on the farm and to produce more crops and livestock quantitively. To get correct accuracy on the values of Ph ,Temperature and turbidity and moisture

As when the productivity increases farmers will be satisfied. They will not worry about the loss or soli condition .

Irrigation will be more efficient than before.

The availability of device, proper Network facilities and budget are several constraints ,Knowledge about the application.

When there is no knowledge about the soil problem arises on what to be sowed. Ph, temperature conditions also play a major role. Knowledge on how to water the plants accordingly

Most commonly used irrigation type is raspberry PI the most common disadvantage is when it using means it have budget issue its cost is too high. In smart farming we can use Arduino empowered smart irrigation system also the irrigation system is connected with network to overcome this.

The availability of device, and budget are several constraints, Knowledge about the application.

Farmers are our customers.

We are working for farmers So farmers are our Customers.



Most commonly used irrigation type devices using the Raspberry PI . It is old generation device . So here we replacing Raspberry PI to Arduino for our technology

To make farming easier more quantitively.

1. Monitoring the Ph value and temperature
2. Monitoring turbidity .

3.Monitoring moisture

The customers will reach us when they don’t have idea on how to analyses the soil and to improve the current irrigation system



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|  | **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**  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.  There will be less weed growth, Maximum use of water efficiently, Control of soil Ph value and temperature and turbidity and maximum crop yield. | 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.  we will reach the customer directly ask about their problems and provide effective solutions if their problems match our application and provide them knowledge about our application to make their farming even more easier.  In online mode will do digital marketing using advertisements. |  |
| **4. EMOTIONS: BEFORE / AFTER 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. |