Project Title: AEROPONICS BASED PLANT CULTIVATION Project Design Phase-I - Solution Fit Template Team ID: PNT2022TMID19535

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The availabe solutions are soil farming and hydroponics. In hydroponics the probability of getting affected by disease are very high and in soil farming it requires a lot man power and usage of fertilizers and pes

In our solution time taken is less by the customer to monitor the crop. And also the customer can see the environment condiotin and also the crop condtion anywhere by using the mobile application.

And aslo the employee involved is also reduced so that result the wages are alo reudced. There is no need of physical monitoring the plants.

According to our problem statement, this project will be helpful for FARMRERS, PLANT NURSERY and also in GREEN HOUSING METHODS.



The main problem is that regular maintainance and also usage of fertilizers that may result in soil erosion.The plants are regularly sprayed with pesticides in order to protect the plants from the disease.

The consumer may obtain help via the help option in the application's settings, and if they have any problems, they can report them there, and the authorities will check into it.

Now a days farming becomes a tideous process for cultivating the crops and protecting the plants from disease, pests, insects. And also in order to get a proper yield the amount of fertilizers and pesticide are used in huge quantity. And finally WATER SCARCITY is the major issuse.



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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.  In order to reduce the amount of water used. And people now a days show more attention towards the organic products that is fertilizer free vegetables and fruits. | **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.  In our solution the condition of the environment and the plants can be monitored by the user and also the the live updates about the crop can be seen whenever the customer need. By using our soultion the final yield productivity is increased and the main moto of our solution is to produce an organic vegetables and fruits. | 1. **CHANNELS of BEHAVIOUR CH**    1. **ONLINE**   What kind of actions do customers take online? Extract online channels from #7  Customer can monitor and control the environment where the plants are grown from his place   * 1. **OFFLINE**   What kind of actions do customers take ofﬂine? Extract ofﬂine channels from #7 and use them for customer development.  Customer can control the water spray nozzles according the humidity level and also mix the required nutrients in the water and supply it to the plants. |  |
| **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.  In agriculture the final income or profit earned is unpredictable. Someties they get a termendous output and at the flip side they may face a unexpected loss also. |