Problem-Solution fit canvas 2.0

1.CUSTOMER SEGMENT(S)	
Farmers and Peoples.	

6.CUSTOMER CONSTRAINTS

The disease caused by impure water can be avoided by this application. Because there are many disease which is spread or caused by water , so it's user responsibility to ensure the purity.In this phase our application helps the user.

5.AVAILABLE SOLUTIONS

By our survey we found that,Some of the available solutions are the quality is analyzed using the color of water,origin of water etc.
And the provided solutions from these factors are not guaranteed to be true.

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2.JOBS-TO-BE-DONE / PROBLEMS

- Check the quality of water.
- Check whether the water is usable or not.
- Gives the reason for un-usability
- Customer can check the water quality by themselves without expert's support.

9.PROBLEM ROOT CAUSE

Root Cause Analysis supported by input from the problems-sufferers, environmental changes,pollution and improper maintenance are the main causes of this problem.

7.BEHAVIOUR

Understanding this decision-making process, the study attempts to assess the users water use behavior using available resources, prevailing socio-economic conditions and personal aspects of users.
This research work suggests the need for ensuring water quality is important before use.So this application helps the user well in this aspect.

3.TRIGGERS

By using this application , users can avoid the fear of water quality.Since the user knows the quality of water they are going to use ,they can avoid most of the health issues that are caused by poor quality water, So that they can be healthy comparatively to others.

4.EMOTIONS: BEFORE /AFTER

Before using this application , the user had the fear of water quality and the issues caused by it

By using this Application user will have confidence about the quality of water they are drinking , so that   they can avoid health issues related to it.

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10. YOUR SOLUTION

- The data from different sources are taken and with help of a water quality analyst we will be getting an idea about the constraints where we start to get the data and preprocess it.
- By using some ML algorithms and some analysis methods the hardness,conductivity and turbidity are identified and the results are provided based on this.

8.CHANNELS of BEHAVIORS
8.1 ONLINE

Online portal for making recommendations for a water usability based on water properties using Machine Learning.

8.2 OFFLINE

During offline , some simple tests that can be done at home will be suggested so that users can find themself if necessary.