

PROJECT DESIGN PHASE -1

PROBLEM SOLUTION FIT

Project Title: Efficient Water Quality Analysis And Prediction Using Machine Learning

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1. CUSTOMER SEGMENT

CS

- ❖ RO water purifier companies
- ❖ People Interested in purified water.

6. CUSTOMER CONSTRAINTS

CC

- ❖ People do not have enough knowledge of minerals presents.
- ❖ Water purifier machines Are of high cost

5. AVAILABLE SOLUTIONS

AS

- ❖ Predicting the necessary minerals present in the water
- ❖ People directly know the quality of water

2. JOBS-TO-BE-DONE / PROBLEMS

J&P

- ❖ Prevent water from contamination
- ❖ Do necessary purification Process

9. PROBLEM ROOT CAUSE

RC

- ❖ Making water pollution
- ❖ Presence of metals and sands in ground water
- ❖ There is no proper maintainance of drainage system

7. BEHAVIOUR

BE

- ❖ Feeling of Drinking unhealthy water
- ❖ Health issues

3. TRIGGERS

TR

- ❖ Ensurity of great water quality
- ❖ Taste and health concern

4. EMOTIONS: BEFORE / AFTER

EM

BEFORE:

- ❖ Lead to drink unhealthy water
- ❖ Causes various problems

AFTER:

- ❖ Increase health
- ❖ Feel safe and clean

10 . YOUR SOLUTION

SL

- ❖ Creating Web application to analyze the quality of water
- ❖ An User-friendly Web Application.
- ❖ To develop a solution to analyse the quality of water quality solutions.

8.CHANNELS of BEHAVIOUR

CH

8.1 ONLINE

- ❖ Advertising pros and cons of water quality
- ❖ Awareness video of importance drinking quality water

8.2 OFFLINE

- ❖ Installing purifier for homes,offices etc
- ❖ Providing good customer service