

# NEER

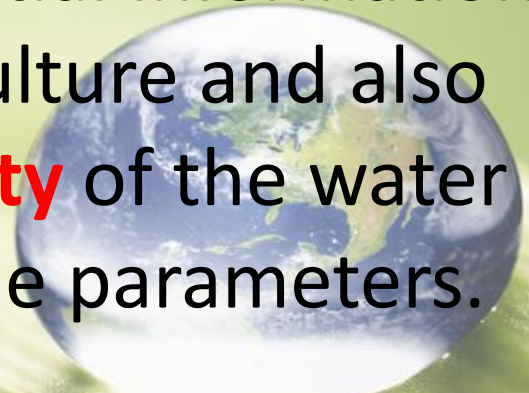
**All You Need Is Water, Farmers and a Dream**



About



A **Multifunctional app** that has rudimentary functions to provide substantial information that assists **farmers** in Agriculture and also feasibility tests on **drinkability** of the water sample for based on real time parameters.



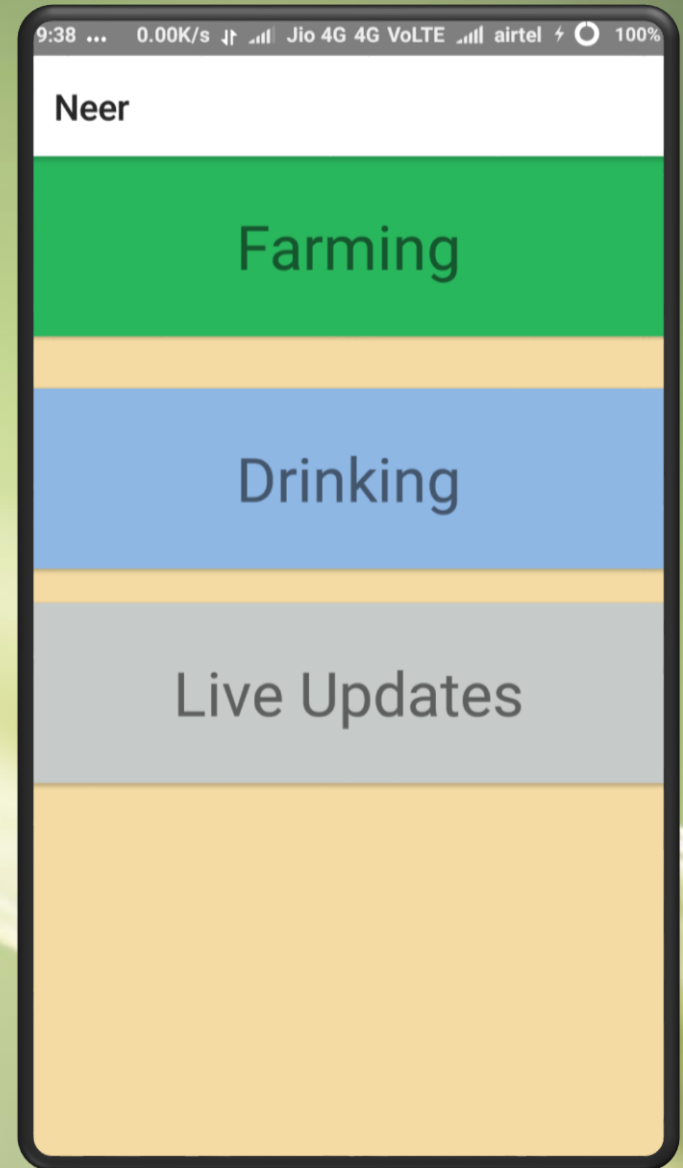
# Overview

Contains **THREE** activities,

1. For **Farmers**
2. Drinking **Water**
3. Live **Updates**



**Into the application...**





# For Farmers



# Farmers Module

- **Digital Farming**- In hand assistance
- **Personalised approach**
- Geo-Location and **River based** help
- Updated **Crop Feasibility**
- Provides **Solution** for them



# Into the Application

9:40 ... 0.00K/s Jio 4G 4G VoLTE airtel 100%







## Neer

|                       |                                   |
|-----------------------|-----------------------------------|
| PH                    | <input type="text" value="7"/>    |
| Fecal Coliforms       | <input type="text" value="2000"/> |
| Dissolved Oxygen      | <input type="text" value="67"/>   |
| Bio. Oxygen Dissolved | <input type="text" value="92"/>   |
| Nitrate Content       | <input type="text" value="1"/>    |
| Nitrite Content       | <input type="text" value="0"/>    |

**CHECK FOR CROP**

9:40 ... 0.00K/s Jio 4G 4G VoLTE airtel 100%

## Neer

|                        |                                                                                       |
|------------------------|---------------------------------------------------------------------------------------|
| Fecal Coliforms        |    |
| Suitable for Crops     |                                                                                       |
| PH                     |    |
| Suitable for Crops     |                                                                                       |
| Dissolved Oxygen       |    |
| Not Suitable for Crops |                                                                                       |
| Bio. Oxygen Dissolved  |    |
| Not Suitable for Crops |                                                                                       |
| Nitrite Content        |  |
| Not Suitable for Crops |                                                                                       |
| Nitrate Content        |  |
| Suitable for Crops     |                                                                                       |



# Drinking Water





# Drinking Water Module

- Checks the **consumability of water** by analyzing various parameters.
- A **Device** which blends with the app by providing necessary data.



# Into the application

9:39 ... 0.00K/s Jio 4G 4G VoLTE airtel 100%

## Neer

Electrical Conductivity: 400

GET TDS

206.21667231976485

PH: 6.3

CHECK PURITY

9:39 ... 0.00K/s Jio 4G 4G VoLTE airtel 100%

## Neer

pH  
PH is Less - Acidic Water

TDS  
Good for drinking purpose, TDS is in control

Measures  
No certain measure is required it is already in good status to drink yu may proceed towards drinking it

# Purity Measure

1. **Total Dissolved Solids (TDS)**- Measures the Concentration of dissolved solids including salt and the other substances.
2. **pH**- Concentration of hydrogen ions, which indicates acid precipitation
3. **Nitrates and Phosphates**- Nutrients that are used in fertilizers & deposited in lakes and bays causing Eutrophication



# Live Updates



Weather

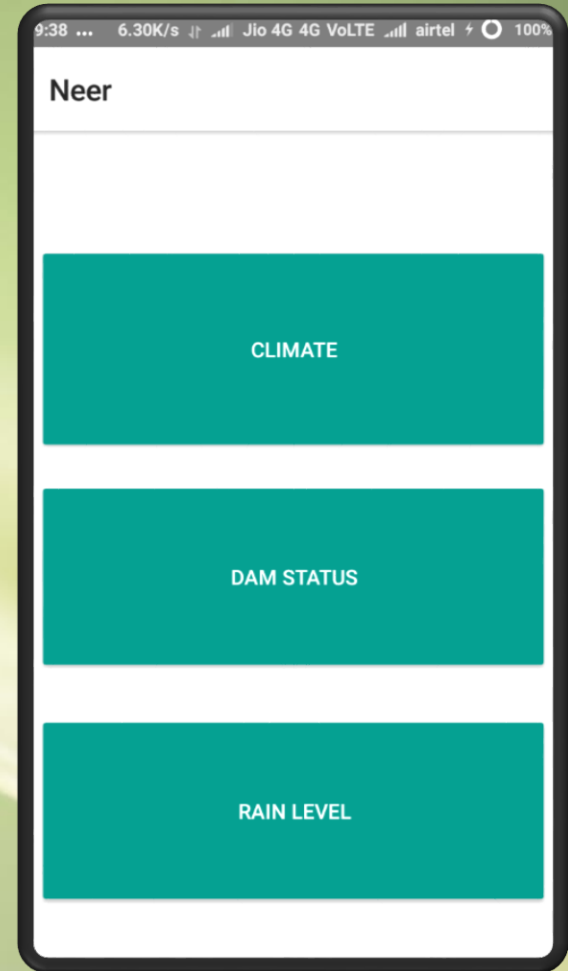


Dam Status

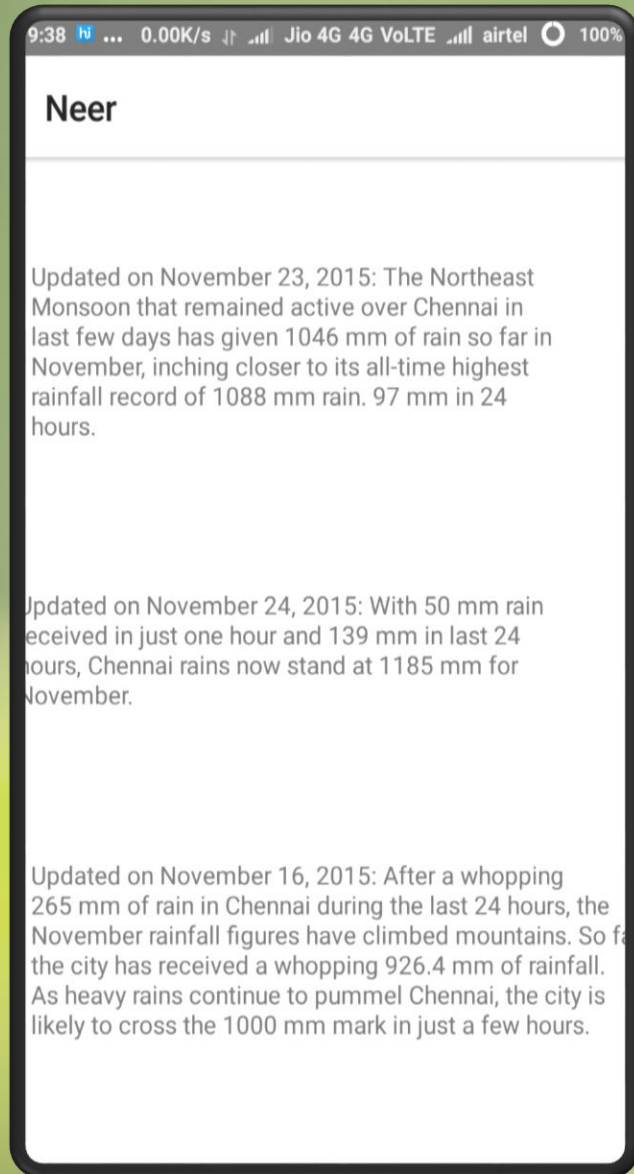


Rain Level

**Into the Application....**





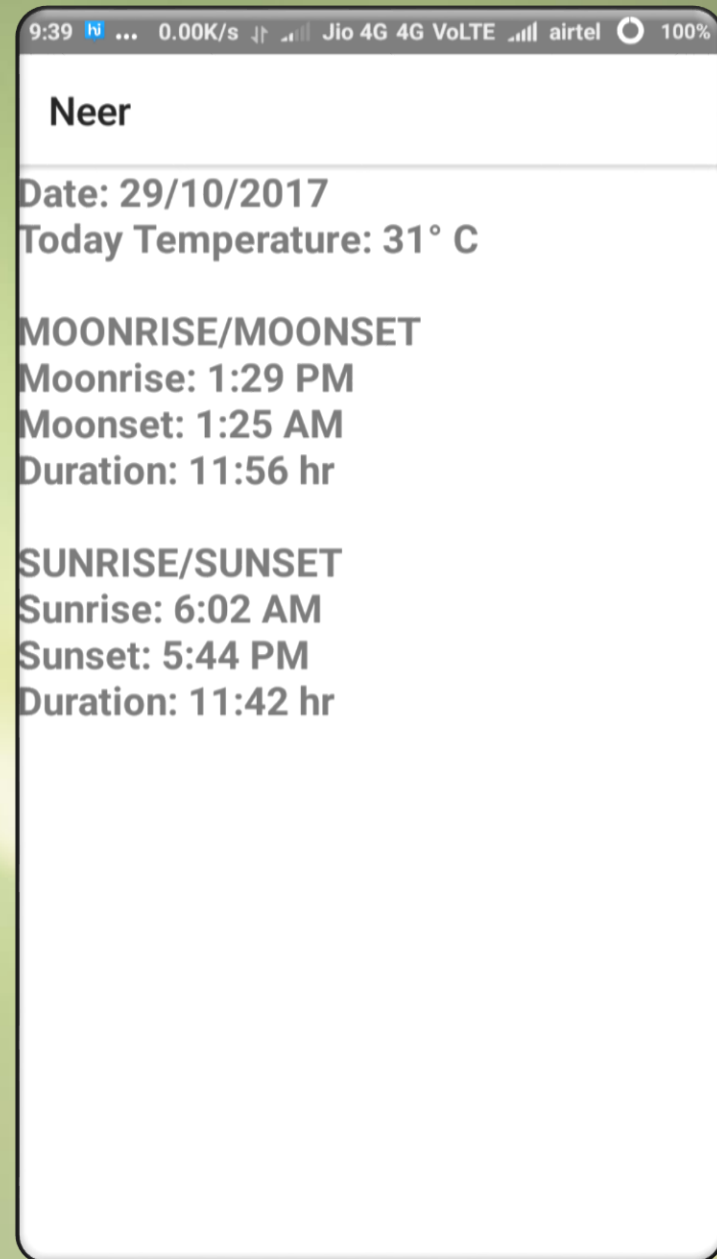


Rain Level



Dam Status

## **A**nd Climate



# **Further Plans for Way Forward ...**

- Farmers usually follow Traditional farming
- Changing soil and water conditions every year.
- Updating farmers about the changing weather conditions.
- Easily operable and accessible device for checking the water quality.



# Thank you

- Shubham Kumbhar
- Lakshmi Narashiman S
- Subham Shekar
- Prashant Agarwal
- Ravi Manish



#MAA\_172