# Creating a user journey is a quick way to help you and your team gain a deeper understanding

TEAM ID

PNT2022TMID38637

PROJECT NAME : REAL-TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM

of who you're designing for, aka the stakeholder in your project. The information you add here should be representative of the observations and research you've done about your users. 🔎

1. **Phases**



Analysing the river water

Recycling of dirty water for agricultural use

Separation of pure water and dirty water

Finding the pH level of water

### High-level steps your user needs to accomplish from start to finish

1. **Steps**

Also find whether the industrial waste are mixing into river water

Check the surroudings of river water

Whether the river water is dirty or not

Detailed actions your user has to perform

Finally recycled water is sent to farmers for agricultural purpose

Using chemical components for recycling process

Collect the dirty water and send the water to the recycling factory

Usage of water purifier to separate pure water and dirty water

Using pure water finding machine

Normally peoples identify the pure water by observing the upper layer, thickness and colour of water

If the pH level is normal we can use it for drinking purpose

So finding the drinking level of pH

Check whether the pH is between 6.5

and 8.5

1. **Feelings**

In manufacturing company they can also use this recycled water.

Also used for some industrial purpose.

The recycling water can also be used for some other purpose.

They feel happy about drinking pure water.

They might feel secure without worrying about infection or some other problems caused by river water.

Supplying some amount of water for commercial uses.

They feel comfortable after drinking pure water daily.

They feel more secure about their environment

If the PH level of river water is matches to the PH level of pure water, they feel good.

The river water is essential for human beings.

Animals and birds are drinking river water.

If the river water quality is in correct level, ground water level will increase.

What your user might be thinking and feeling at the moment

If the river water quality is not good, then the ground water will get decrease.

If the river water is polluted then animals and birds cannot able to drink water.

Polluted water is not essential for human beings.

People don't know about the PH value of the river water for drinking.

People may feel that environment is not clean due to river water is polluted.

They use river water daily and also they are feeling that the river water is not good.

They also worried about the diseases caused due to the polluted river water.

They also worried about the living organism.

People need the healthy fishes from river water for selling.

Coastal people are the major affected people by river water pollution.

Recycling water is sufficient for industrial purpose.

Is the pure water is available for every day.

1. **Pain points**

Problems your user runs into

v

This causes

Also increasing river water temperature affects the living organisms

This water is harmful for drinking.

Climate change will affect river water

Dont throw any solid waste into the water streams as it clogs the flow of water thereby leading to pollution

Sewage and waste water are mixing into the river water

harm to the

organisms

living in the

river water

1. **Opportunities**

**TIP**

Click on the + outside border of the table to additional rows and c

Control the water quality using this device

We can give the guarantee about pure water in case of detecting PH level of river water.

Any time and any where can find the device.

Water proof device is used for ensuring safety.

We insert high quality battery.

Used solar panel for energy.

By using this device we can also control the PH level of the water.

We include sensor for detecting PH level of water.

Our device is miniature compared to other devices

Using drone for everytime monitoring

We use the detector to easily identify our device

Pollution may occur due to acid rain.

Thefting of sand from river side may cause the river to dry fast

Chemical waste products from industrial processes are discharge into river.

It will affect the Eco system.

Water pollution may cause diseases.

Because of throwing dusts it will create some mess smell.

Potential improvements or

Life time of

the add

# enhancements to the experience

the device is olumns.

## more