



HydroClean

Natural Resources Track



AI TRAILBLAZERS

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Vision:

To be the leaders in water quality monitoring and analysis, achieving the highest levels of safety and environmental sustainability, improving individuals' quality of life, and preserving the environment.

Mission:

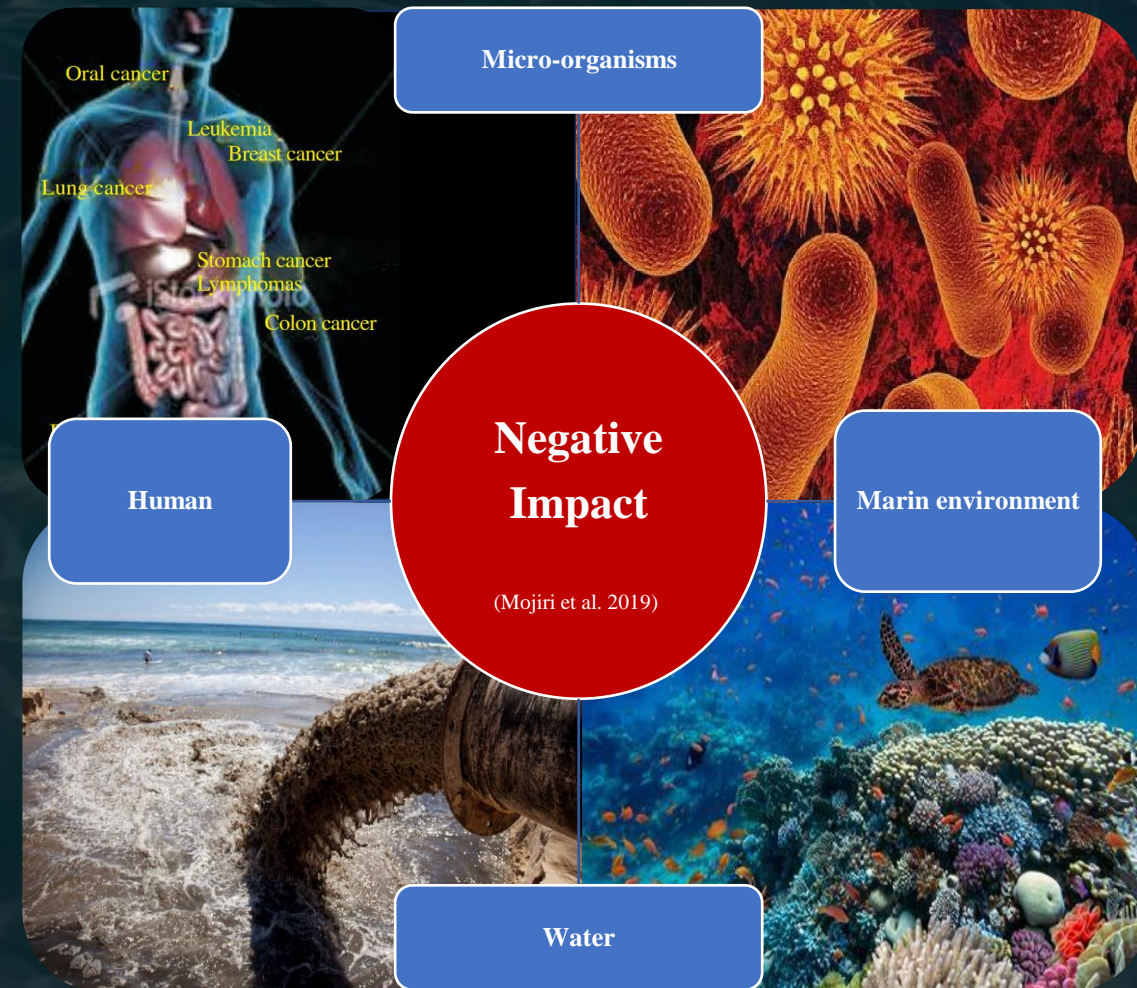
To provide integrated water quality monitoring and analysis services using the latest technologies and scientific tools, supporting initiatives aimed at improving water quality and protecting it from pollution.

Goals:

- Achieving water security.
- Preserving the environment and natural resources while promoting their sustainable development.
- Contributing to the achievement of sustainable food security

Problem

With the increasing environmental challenges and pollution resulting from industrial and agricultural activities, it has become necessary to monitor water quality periodically to ensure its purity and suitability for use. This allows for the necessary measures to be taken to protect water resources and ensure their sustainability for future generations.

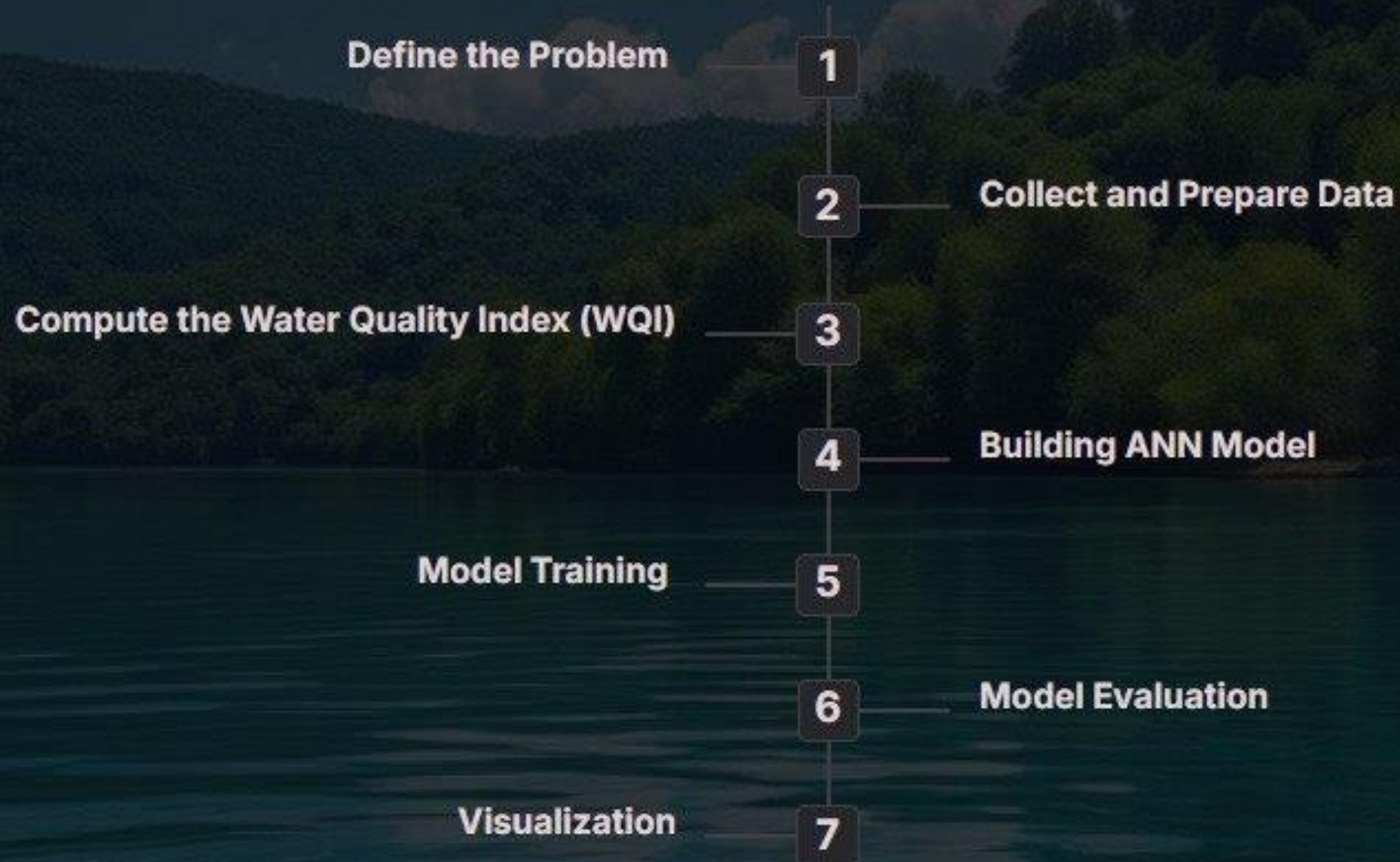


What is the HydroClean?

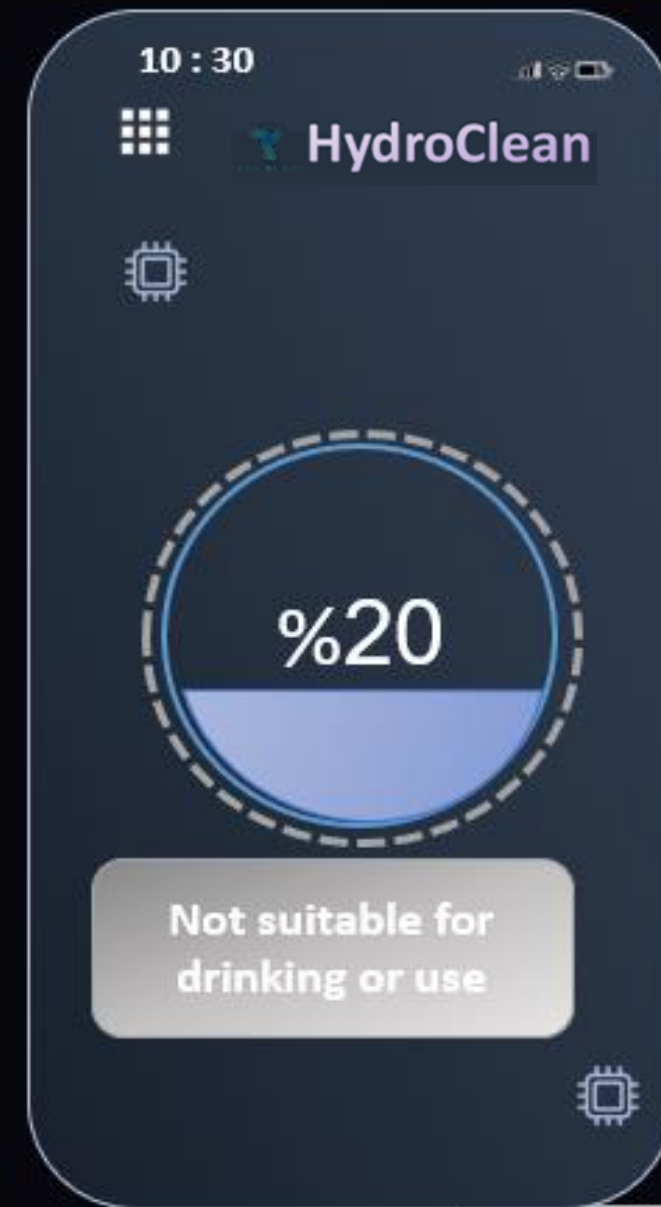
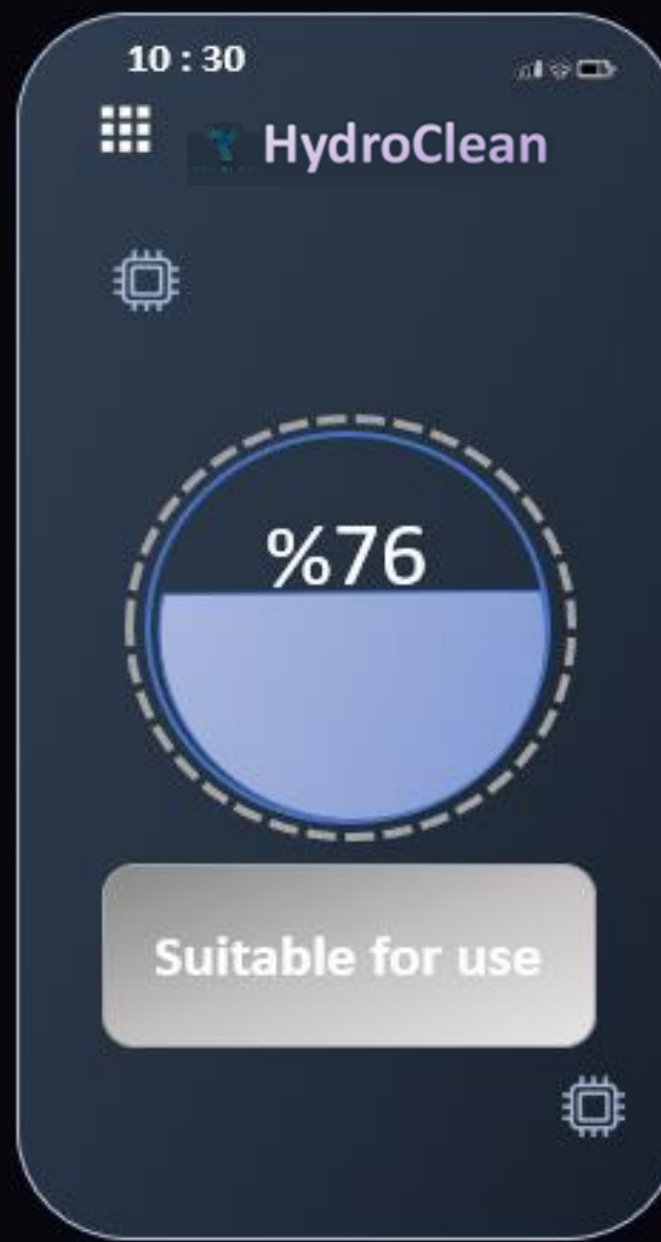
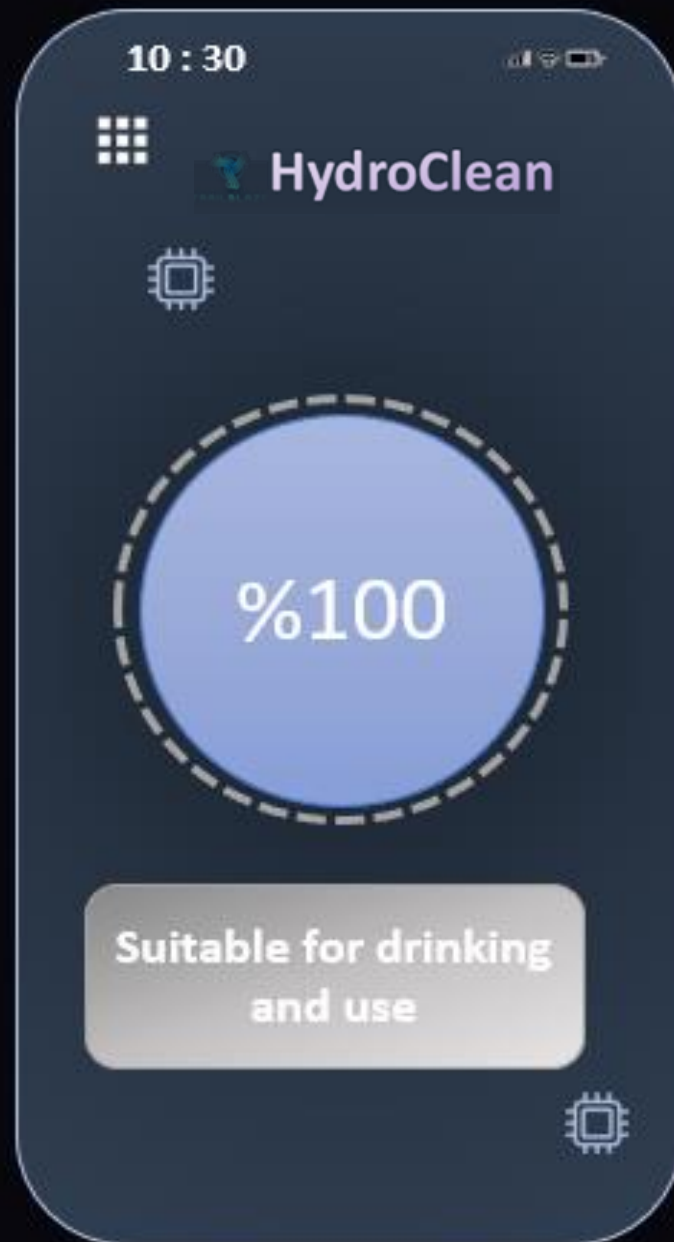


Monitoring and tracking water quality through a system that uses artificial intelligence techniques to improve water quality by monitoring various water characteristics.

How did the HydroClean build?



Prototype



Hydroclean Advantages



Enhancing the
sustainability of
resource use



Early detection



Preserving
biodiversity



Contribution to
food security



Cost and
efficiency



Improving quality
of life

Target group

وزارة البيئة والمياه والزراعة
Ministry of Environment Water & Agriculture

Kingdom of Saudi Arabia المملكة العربية السعودية



المركز الوطني للأرصاد
National Center for Meteorology

المملكة العربية السعودية



HydroClean contribution

Contributing to achieving the Kingdom of Saudi Arabia's Vision 2030 through real-time water quality monitoring and control.



Hydroclean in Future

- 1 Expanding the range of features in model development
- 2 Prediction of the water pollution source.
- 3 Integrating additional data sources and AI tools .

Team Members



Shumookh AlSufyani

Team Leader

AI Programmer



Renad Saleh

Content writing
UX/UI



Fatimah Alshahrani

Fatimah Alshahrani

Programmer



Bushra Asiri

Designer



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Thank you all of you for your
kind presence and listening

Try HydroClean..

