AQUATIC INSIGHTS :COGNOS-POWERED WATER PORTABILITY ANALYSIS

DATA ANALYTICS

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INTRODUCTION

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- The "AQUATIC INSIGHTS" project aims to revolutionize water portability analysis through the integration of IBM Cognos .
- Access to clean and safe drinking water is a fundamental human right, and ensuring water quality is essential to public health and environmental sustainability.
- Traditional methods for monitoring water quality are often time-consuming and require extensive manual labor.
- To address these challenges, our project leverages the advanced capabilities of IBM Cognos to create a data-driven solution for efficient and accurate water portability analysis.

ABSTRACT

- AQUATIC INSIGHTS seeks to integrate data from various sources, including sensors, labs, and remote monitoring stations.
- This integration enables a more holistic understanding of water quality by considering data from multiple points and sources.
- The project also intends to use predictive modeling to anticipate potential water quality issues.
- This proactive approach helps in preventing water contamination or degradation before it becomes a serious problem.

ADVANTAGES

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- These include dissolved oxygen, turbidity, bioindicators, nitrates, pH scale and water temperature.
- Monitoring water quality helps to identify specific pollutants, a certain chemical, and the source of the pollution.
- Help to ensure that water supplies meet relevant health and safety standards, protecting consumers from potential harm.

CONCLUSION

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•The project helps ensure compliance with water quality regulations and standards by providing an advanced system for data management and reporting.

•This is particularly important for regulatory bodies and water management organizations.

•And to enhance public awareness of water quality issues by making water quality data accessible to the public through various interfaces.

•This transparency can empower communities to take action and hold relevant authorities accountable for maintaining safe water supplies , enhance environmental sustainability, and contribute to the broader goal of ensuring access to clean water resources for communities worldwide.

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THANK YOU