

ABSTRACT

HydroReach – Smart Water Delivery System is an IoT-enabled and web-based solution designed to digitalize and streamline the process of water delivery management. The system allows users to easily request water through an online platform, check water availability, and make secure payments directly through the application. Once a request is placed, it is sent to the admin for approval. The admin verifies payment, updates stock details, and assigns a delivery tanker automatically based on location and availability. The assigned driver receives the delivery details and updates the delivery status in real-time, ensuring transparency and efficiency. The system eliminates manual dependency, reduces delays, and ensures accurate delivery tracking through automated notifications and status updates.

Developed using Python, Django, HTML, CSS, and MySQL, HydroReach enhances user convenience while providing admins with full control over operations. By integrating technology into water management, the project promotes sustainability, operational efficiency, and timely water delivery for urban and rural communities alike

Guide: Eldhose K Paul

PRAVEENA PRAKASH