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(57) Abstract :

The present disclosure relates to System for Effective Management of Urban Water Resource through Machine Learning. Four main processes make up water management: estimating the amount of water that is immediately available to be distributed, assessing the water's quality, distributing water to various parts of the city based on the quality, and finally, providing a platform for anyone and everyone to monitor this distribution. The present invention involves cloud platform that can be accessed by everyone and they are informed in advance about the quality and quantity of water they will receive for the week so they can use the water wisely, the integration of these four models improves water conservation and creates a social awareness. Currently, all these processes are treated as separate modules. In order to prepare the system for the quantity of softener needed to soften the water that picks up calcium and magnesium as it travels through other natural rivers, this created technology forecasts the rainfall.

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