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ABSTRACT

In urban areas the water supply to residence and commercial establishments are provided at a fixed flow rate. There are incidents of excess water drawn by certain customers/users i.e water will be released unofficially which is considered as water theft. In this project we proposed to develop an embedded based remote water monitoring and theft prevention system by taking the data of water supply at the user end.

The overall objective of a distribution system is to deliver wholesome water to the consumer at particular area and in sufficient quantity and achieve continuity and maximum coverage at affordable cost. Here we are using AT89S52 as our controller and also few sensors are arranged to detect the presence of water in that particular pipeline. As logic level converters are used to detect the water flow.

All the details are shown in the web server using IoT module connected to the controller. So that the authorities can take necessary action in case of misuse. This is an advanced, trouble-free, fit and forget system for water board.