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## Jal Sanchay—A Novel Approach for Water Usage Monitoring

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### Abstract

Water is one of the, most important resources on earth. With rapid increase in the world population, water consumption is increasing drastically. People now a days always want something new that can make their life easier. The technological advancements of embedded system as well as articulation of communication by sensing techniques are taking a huge role in recent days. LabVIEW which is a system engineering software for applications requiring test measurement and control with rapid access to hardware and data insights. Design of various virtual instruments (VIs) in LabVIEW provides a strong graphical tool and a platform where automated water usage monitoring system can acquire efficiently as well as with accuracy. In this proposed system GPRS enabled sensors are used to sense water flow in every outlet. The server continuously monitors and collects the data over the internet and tracks usage of water at every outlet via a wireless sensor node. At the point when water is utilized at overabundance it is shown and an alarm is sent to the user. The user can persistently monitor the water usage and the wastage through their mobile devices.

### Keywords

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