

**VISVESWARAIAH TECHNOLOGICAL UNIVERSITY
BELGAUM**



A PROJECT REPORT

ON

**“CORPORATION WATER SUPPLY MANAGEMENT
SYSTEM”**

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**VISHWANATHRAO DESHPANDE RURAL INSTITUTE OF
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ABSTRACT

Water is most important element, $2/3^{\text{rd}}$ of the earth surface is covered by water and a human body consisting of 75% of water.

The aim of this project is to design and develop a system which will helps us to control the wastage of water and electricity in corporation water supply management.

The idea behind this project is that at present days in corporation water supply management there are many drawbacks like wastage of water, wastage of electricity and leakage of pipes cannot be detected easily. Considering these three drawbacks we have implemented a project in which wastage of water and electricity can be control and even leakage of pipes can be detected very easily. The system shown here is a microcontroller based solenoid operated valve system which can effectively control the water supply system. The microcontroller is programmed to operate the solenoids at particular time interval at particular areas. By our project leakages in pipes can be detected using a metallic mesh structures over the pipes. The water in the main tank can be monitored with level indication circuit which is used to detect the level of water in the main tank.