

VISVESHVARAYA TECHNOLOGICAL UNIVERSITY BELGAUM



A PROJECT REPORT ON

“Automization of Public Utility System Using GSM

[Street lights, Domestic water supply and Drainage overflow identification]”

Submitted By

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ABSTRACT

Traditionally Street lights in the city are controlled (switched On or Off) by the electricity board, in which an appointed line man who turns On the street lights in the night and turns Off those in the morning. But sometimes due to negligence of the line man street lights will still be On during day time also which will be heavy power loss. After peak hours street will be still On at nights when there will be no pedestrian in the streets which is still power loss like using power when not required.

Another basic amenity is water, in urban and in some rural areas municipal corporation or local panchayat appoints the service man who activates the valve of domestic water supply of particular area at specified time. And normally residents will not be aware of change in time of water supply until the corporation informs it through the local media.

Drainage system of the city should be clean to maintain the city's beauty and pride, but it will be too difficult to continuously look for overflowing drainage by the municipal corporation until someone reports it to them.

Our project aims to control the street lights automatically by switching ON and switching OFF of the street lights during night and day time automatically. The system is designed such that, after peak hours there will be 50% power saving. System has the feature to automatically open the water-supply valves at pre-specified time and this information is also messaged to the subscribers in advance. In addition the system detects any overflow in the drainage and reports it to the concerned authority through SMS.