

VISVESWARAYA TECHNOLOGICAL UNIVERSITY
BELGAUM – 590010



GM INSTITUTE OF TECHNOLOGY
DAVANGERE-577006



DEPARTMENT OF ELECTRONICS AND COMMUNICATION

CERTIFICATE

This is to certify that the project work entitled “CORPORATION WATER SUPPLY MANAGEMENT SYSTEM” is bonafied work carried out by Pavan G, Puneeth B R, Chandrashekaraswamy Hiremath S and Badari Joshi in partial fulfillment for the award of degree of Bachelor Of Engineering in ELECTRONICS AND COMMUNICATION of the Visveswaraya Technological University, Belgaum during the year 2008-2009. It is to certify that all corrections /suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering degree.

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ABSTRACT

The water management system now a day is a very important parameter to prevent wastage of water.

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 intervals at particular areas. As per the requirement the main pump operates and microcontroller turns ON the particular area solenoid. The water now flows through solenoid and supplies the water to particular area. After the required timed operation, the next area solenoid IS triggered by microcontroller and the whole system operate at same concept through microcontroller.

The modifications to timed operation and day requirement operations can be modified through PC and through a serial communication link.