275. A NOVEL APPROACH TOWARDS AUTOMATIC WATER CONSERVATION SYSTEM

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Water, the fundamental requirement of every individual is greatly in demand today in the growing population. This indispensible asset has to be conserved for the future use. In this paper we intend to give a solution to this problem. This paper reveals the practical demonstration of water conservation with the help of Lab View [1] software. By designing a simple DAQ [2] card and interfacing it to PC and controlling via lab view software, water conservation is achieved toa greater extent. Also by placing two flow meters each at the water station and at the consumer end we ought to know the exact usage of water by the individual, as a result of which, water theft is prevented, thus water conservation is done indirectly. Another advantage of this project is, by placing DAQ at the water station and controlling the water flow through it, exact tariff for the water consumption is paid by the individual which is sent to them through GSM [3].

Keywords—LAB VIEW software, Data Acquisition Card, Global System for Mobile communications (GSM).

ISBN 978-81-904760-6-5