

# Real-Time Automization of Irrigation system for Social Modernization of Indian Agricultural System

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## ABSTRACT

The paper “Real time atomization of agricultural environment for social modernization of Indian agricultural system” using ARM7 and GSM’ is focused on automizing the the irrigation system for social walfare of Indian agricultural system and also to provide adequate irrigation in particular area. The set up consists of ARM7TDMI core, which is a 32-bit microprocessor, GSM serves as an important part as it is responsible for controlling the irrigation on field and sends them to the receiver through coded signals. GSM operates through SMSes and is the link between ARM processor and centralized unit. ARM7TDMI is an advanced version of microprocessors and forms the heart of the system. Our project aims to implement the basic application of automizing the irrigation field by programming the components and building the necessary hardware. This project is used to find the exact field condition. GSM is used to inform the user about the exact field condition. The information is given on user request in form of SMS. ng. GSM modem can be controlled by standard set of AT (Attention) commands. These commands can be used to control majority of the functions of GSM modem.

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