



## Automatic irrigation control system

By Stephen Kipkebut

GRIN Verlag Gmbh Jan 2015, 2015. Taschenbuch. Book Condition: Neu. 212x150x7 mm. Neuware - Bachelor Thesis from the year 2014 in the subject Engineering - Power Engineering, The Technical University of Kenya, course: bachelor of philosophy in technology electrical and electronic engineering, language: English, abstract: This project is based on moisture sensor used to measure humidity content in the soil. The design portion involves mainly a global system for mobile communication and a control circuitry with a microcontroller. This project used some of the softwares like basic language for programming the application software to the microcontroller and visual basic for interfacing the hardware and mobile phone. Protel or workbench schematic software is used for designing the circuit diagram for this project and express prefabricated circuit board (PCB) software is used for designing. Since PCB making is a big process and involves a number of machineries which are expensive and was therefore outsourced. Using DTMF 8870 IC will act as an interface between the user and the system as it is a receiver which links the GSM network, the microcontroller pic16f73 contains the software which states the conditions of the system which can be displayed in a liquid crystal display and...



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