The purpose of this work is to design a system which monitors and controls the water flow to an irrigation system using Mobile Phone through WI-FI and monitoring temperature and humidity. This can be achieved by the use of soil moisture sensor, which senses the water content in the soil. This sensor output is given to a Microcontroller based control system for further data processing.
This work also consists of IoT module for remote monitoring and control of water supply to irrigation system. Whenever the soil moisture content goes below some predefined level, and then this information is sent through WI-FI .Based on the command received from IoT the Microcontroller switches ON or OFF the electrical water pump.

M. Kondalu
P. Chandana Priya

IOT Based Automatic Drip Irrigation System for Paddy Cultivation

Dr. M. Kondalu, Professor & HOD, Department of EEE, Malla Reddy Engineering College, Secundrabad.
Mrs. P. Chandana Priya, Assistant Professor, Department of CSE, Malla Reddy University, Secundrabad.

9 7 8 6 2 0 4 7 5 1 4 9 8

LAP LAMBERT Academic Publishing

M. Kondalu
P. Chandana Priya

IOT Based Automatic Drip Irrigation System for Paddy Cultivation

M. Kondalu
P. Chandana Priya

IOT Based Automatic Drip Irrigation System for Paddy Cultivation

LAP LAMBERT Academic Publishing

Imprint

Cover image: www.ingimage.com

Publisher:
LAP LAMBERT Academic Publishing
is a trademark of
Dodo Books Indian Ocean Ltd., member of the OmniScriptum S.R.L Publishing group
str. A.Russo 15, of. 61, Chisinau-2068, Republic of Moldova Europe
Printed at: see last page
ISBN: 978-620-4-75149-8

TABLE OF CONTENTS