

EEE499

Senior design project

Spring 2020

Automatic Soil Irrigation System Using GSM Module



Submitted By

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ELECTRICAL AND COMPUTER ENGINEERING

NORTH SOUTH UNIVERSITY

Agreement Form

We take great pleasure in submitting our senior design project report on "**Automatic Soil Irrigation System Using GSM Module**". This report is prepared as a requirement of the Capstone Design Project EEE 499 A & B which is a two semester long senior design course. This course involves multidisciplinary teams of students who build and test custom designed systems, components or engineering processes. We would like to request you to accept this report as a partial fulfillment of Bachelor of Science degree under Electrical and Computer Engineering Department of North South University.

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Abstract

To the world is trending into new technologies and implementations, it is necessary to create in agriculture. Most projects signify wireless sensor networks that collect data from different sensors deployed at various nodes and send it through the wireless protocol. The collected data provide information about plenty of environmental factors. Observing the environmental factors can not the complete solution to boost up the yield of crops. Hence automation must be implemented in agriculture to overcome these problems. So, purposely showing the solution to all such issues, it is necessary to develop an integrated system that will take care of all factors affecting productivity at every stage. But complete automation in agriculture is not achieved due to many issues. Though it is implemented at the research level, it is not given to the farmers to benefit from the resources. Hence this paper deals with developing smart agriculture using IoT and given to the farmers.