

# **AUTOMATION OF IRRIGATION SYSTEM**

*A project report submitted in partial fulfillment of the requirements  
For the award of the degree of*

## **BACHELOR OF TECHNOLOGY IN ELECTRICAL & ELECTRONICS ENGINEERING**

**Submitted by**

**Y SALMAN RAJU  
(16811A0214)**

**K PRASAD  
(17815A0209)**

**M AYYAPPA SWAMY  
(17815A0214)**

**P GANGA BABU  
(17815A0221)**

**Under the Esteemed Guidance of**

**Mr. P ANIL KUMAR**

**Assistant Professor**



**DEPARTMENT OF  
ELECTRICAL AND ELECTRONICS ENGINEERING**

**AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
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ELECTRICAL AND ELECTRONICS ENGINEERING**



**CERTIFICATE**

This is certify that the project report entitled "AUTOMATION OF IRRIGATION SYSTEM" is a bonafide work submitted by Y SALMAN RAJU, K PRASAD, M AYYAPPA SWAMY, P GANGA BABU in partial fulfillment of the requirements for the award of degree of

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY,  
KAKINADA**

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Handwritten signature of P. Anil Kumar in black ink.

**Internal Guide**

**Mr. P Anil Kumar**

Assistant Professor

Dept. of Electrical & Electronics Engg.

AIET, Narsipatnam.

Handwritten signature of Dr. T Srinivasa Rao in black ink.

**Head of the Department**

Dept. of Electrical & Electronics Engg.

Avanthi Institute of Engg. & Tech.

Narsipatnam.

## ABSTRACT

India is mainly an agricultural country. Agriculture is the most important occupation for the most of the Indian families. It plays vital role in the development of agricultural country. In India, agriculture contributes about 16% of total GDP and 10% of total exports.

Water is main resource for Agriculture. Irrigation is one method to supply water but in some cases there will be lot of water wastage. So, in this regard to save water and time we have proposed project titled automatic irrigation system using IoT. In this proposed system we are using various sensors like temperature, humidity, soil moisture sensors which senses the various parameters of the soil and based on soil moisture value land gets automatically irrigated by ON/OFF of the motor. These sensed parameters and motor status will be displayed on user android application.