

A  
MAJOR PROJECT REPORT  
ON  
IOT SMART IRRIGATION SYSTEM WITH LIVE VIDEO  
STREAMING

*Submitted to*

**Jawaharlal Nehru Technological University, Hyderabad**

*in partial fulfilment of the requirement for the award of Degree of*

**BACHELOR OF TECHNOLOGY**

in

**ELECTRONICS AND COMMUNICATION ENGINEERING**

by

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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**SUMATHI REDDY INSTITUTE OF TECHNOLOGY for WOMEN**

*(Approved by AICTE, New Delhi; Affiliated to JNTU, Hyderabad)*

Ananthasagar(Vill), Hasanparthy(M), Warangal - 506 371 (T.S.), Website : [www.sritw.org](http://www.sritw.org)

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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



### CERTIFICATE

This is to Certify that the Project Entitled "IOT SMART IRRIGATION SYSTEMWITH LIVE VIDEO STREAMING" is submitted by DURGA SHARMA (196Y1A0481), VEERAMANENI SIRIPRIYA (196Y1A04A0), **POLSANI SAIPRIYA (196Y1A0476)**, CHEPURI RAMYA (206Y5A0411) in the partial fulfilment of requirement for the award of degree of Bachelor of Technology in Electronics and Communication Engineering during academic year 2022-23.

  
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## ABSTRACT

In India, Agriculture is a source of income for majority people and has a large impact on the economy of the country. Suitable conditions and suitable moisture in soil or land can play a major role for agricultural production. Mostly traditional method is used for irrigation. Such supply of water may leave varied moisture levels in field. The management of the water system can be enhanced utilizing automated watering system. This paper proposes a smart irrigation system which will reduce manual labour and optimizing water usage. Also system will send live video to check whether their irrigation system is working as per requirement or not. For formulating the setup, Arduino kit can be used with soil moisture and camera sensor with Wi-Fi module. Our experimental setup will connect with cloud framework and data collection is done. Then data is analysed by system and suitable recommendations will be given to user.



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