

A

Project Report

On

**LIVE MONITORING AND MANAGEMENT
OF STATE RESERVOIRS**

Submitted to

Department of

Computer Science and Engineering

By

THOKALA MEGHANA (206Y1A0599)

ZOHA SAMAN (206Y1A05A5)

SANIYA (206Y1A0588)

MATURI JAHNAVI (206Y1A0561)

Under the guidance

Of

Mrs.G.ARUNA

Asst.Professor



Department of Computer Science & Engineering

SUMATHI REDDY INSTITUTE OF TECHNOLOGY for WOMEN

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

Ananthasagar(Vill), Hasanparthy(M), Warangal – 506 371 (A.P.), Website : www.sritw.org

2022-2023

Rajain

PRINCIPAL

Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (T.S.)



SUMATHI REDDY INSTITUTE OF TECHNOLOGY for WOMEN

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


Ananthasagar(Vill), Hasanparthy(M), Warangal – 506 371 (A.P.), Website : www.sritw.org

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled “**LIVE MONITORING AND MANAGEMENT OF STATE RESERVOIRS**” is submitted by THOKALA MEGHANA(206Y1A0599), ZOHA SAMAN(206Y1A05A5), SANIYA(206Y1A0588) and MATURI JAHNAVI(206Y1A0561) to the department of Computer Science and Engineering during academic year 2022-23.


Mrs.G.ARUNA
Project Guide


Dr.E.SUDARSHAN
Head of the Department





PRINCIPAL

Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (T.S.)

ABSTRACT

Reservoirs provide us with a wide range of social, economic, environmental benefits by helping us in controlling the flow of water, flood control, waste management etc. India has progressed a lot in construction of Reservoirs after Independence and now we are among the best builders in the world. But even today most of the Reservoirs use the conventional methods for controlling the reservoirs gates and maintenance. In the current fast paced modern world we are trying to automate all the processes around us, it's high time to revamp the management of our reservoirs using Internet of Things (IoT). We have proposed and implemented a novel idea of automating the process of management from collecting the data of water level by using Ultrasonic sensor and NodeMCU. This idea will help us to streamline the control of Reservoirs throughout the state and reduce the manpower for reservoirs maintenance.



Rijan

Principal

Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (TS)