# APPROACH DETAILS:

**Ministry Category** 

: Andhra Pradesh Innovation Society, ITE&C Department

**Problem Statment** 

: Build an online system for monitoring water quality, leaks, contamination, and managing pipeline network.

**Problem Code** 

: VS17

**Team Leader Name** 

: Rohit Waghmode.

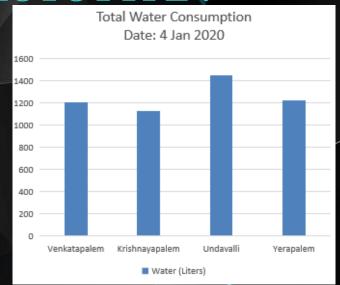
**College Code** 

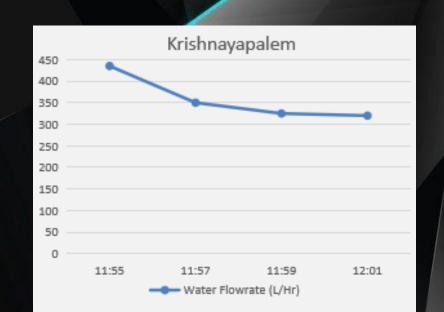
: 1-3517156853

#### **IDEA**:

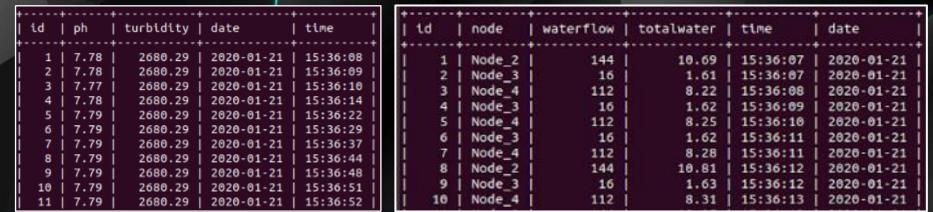
The idea is to design a hardware and software system for monitoring water quality, water usage and water leaks. This system will use machine learning algorithms to predict methods of optimum water usage. In case of leaks, an alert will be generated to the concerned authority about the location of the leak.

#### **PROTOTYPE**





## PROTOTYPE:



### **TECHNOLOGY STACK:**

- Wireless Network.
- Embedded System
- · Django.
- · Javascript, JQuery and Ajax.
- . SQLite.
- · Python3.
- · Android Studio.

