

**Problem statement:** Analyze the given water flow meter data and build a prediction model which can accurately predict the water flow pattern for the next one week.

### **About the Data Samples**

The Given data samples in the excel sheet are the time series data recorded from a water flow meter every 5 minutes for a two week period. The report has three columns:- Date, time & Flow Totalizer.

Water flow meter is a sensor which can measure the water flow. If we want to measure the water flow in any location, we can install the water flow meter in the pipeline and the readings can be seen from the Flow Totalizer display.

- If we want to see the water consumption for a day, we have to subtract the first flow totalizer reading from the last flow totalizer reading of the day.
- Flow totalizer value will be incrementing in the positive direction with respect to the water flow happens

[Data set 07 Oct 2024 to 13 Oct 2024](#)

[Data set 14 Oct 2024 to 20 Oct 2024](#)