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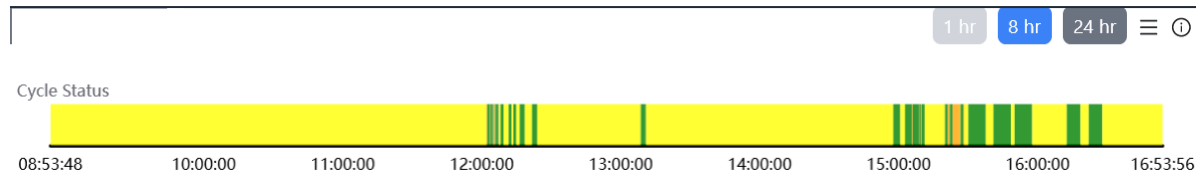**Email ID:** info@wathare.com I **Contact No.:** 9423865420

Plot the UI as below with using shared raw data.

Technology – MERN stack. Git. REST API.

UI Sample –

Considerations –

a. Import raw sample data set to a DB Collection.
b. This is on a horizontal time scale.
c. Timestamp is mentioned in the sample raw data.
d. Plot yellow if sample is 0. Plot green if sample is 1. Plot red if sample is missing.
e. Generate a summary in tabular format -> number of 1s, number of 0s, continuous 0s and 1s variations.
f. Write an API to filter the data from time to time (hour to hour with specifying starting time; with frequency ranging hour-day-week-month).
g. Integrate a third-party API to use location and related temperature from the internet.
h. BONUS – Write a sample generation simulator in any desired language.
i. EXPECTED – Code is published to GitHub in a public repository.