**Documentation King Hiholike**

**Date:** 03/05/24

**1. Code Commit:**

* Total day energy correction on client portal.
* Give Access Level from the Admin server to the Admin Front-end.
* Filtered all the notifications that clients need to see.
* Advanced Suburb power analysis.
* Advanced Suburb revenue analysis.
* Changes on the power analysis.
* Load triggers implemented both for the meter and heater.
* Implementation of the suburb hourly power consumption.
* Implementation of the system hourly power consumption.
* Implementation of the hourly revenue.
* Documentation of the API with postman.

**2. Summary of Work Done:**

* The total load on the client portal was wrong.
* Corrected all the notifications on the client server with socket.io and melio.
* The Implemented the MeterStateCoontrol trigger and the table.
* Get average current both for the individual meter and entire system.

**Meter Notifications classifications**

|  |  |  |  |
| --- | --- | --- | --- |
| Pending | Critical | Success | Warning |
| Token is not processed yet | High Energy Usage | Enter a token | Low units |
| Meter load Control is not processed yet | Low/Bad power factor | Turn the geyser of or on | High temperature |
| Heater load control is not processed yet | Current overload | Turn the meter on or off | Low temperature |
|  | High active power |  | Meter |
|  | Low active energy |  | Temper detection |
|  | Low active power |  |  |
|  | Low frequency |  |  |
|  | Meter reset |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**3. Plan of Action for Next Day:**

* Implement the ratios between the units bought and the units used for the (Day, Month and Year).