| **Feature** | **Description** |
| --- | --- |
| **PhilSMS API Integration** | Integrates with the PhilSMS API to send SMS to multiple recipients. |
| **Database Configuration** | Connects to comcenter and sms\_db MySQL databases using provided credentials. |
| **Fetching Pending SMS (30 minutes)** | Fetches messages from sms\_queue that are **less than 30 minutes old** and have a pending status. |
| **Mark Old Messages as Inactive (1 hour)** | Marks messages older than 1 hour as inactive if they are still in pending status. |
| **Insert Data from comcenter.fed\_call\_log** | Inserts emergency call data into sms\_db.sms\_queue based on the Type\_Emergency\_ID value. |
| **Update Remarks if Changed** | Updates remarks in sms\_db.sms\_queue and resets message status to 'pending' when the remarks in comcenter.fed\_call\_log change. |
| **SMS Sending** | Sends SMS messages by calling the send\_sms() function, passing the message to the PhilSMS API. |
| **Test Mode** | Provides a **test mode** to simulate the sending of SMS without actually contacting the PhilSMS API. |
| **Main Loop** | A continuous loop that checks for new messages, processes them, and sends them every 10 seconds. |

**MySQL Triggers**

| **Trigger Name** | **Description** |
| --- | --- |
| **Trigger 1: after\_update\_fed\_call\_log** | - Triggered **after an update** on comcenter.fed\_call\_log. |
|  | - **Checks** if Remarks is updated and Type\_Emergency\_ID is in the allowed list (9, 46, 57, 62, 68, 86). |
|  | - **Updates** the sms\_db.sms\_queue table with a new message based on CallLog\_ID, Date\_Log, Type\_Emergency, Barangay, Remarks, and current time. |
| **Trigger 2: after\_insert\_fed\_call\_log** | - Triggered **after an insert** on comcenter.fed\_call\_log. |
|  | - **Checks** if Type\_Emergency\_ID is in the allowed list (9, 46, 57, 62, 68, 86). |
|  | - **Inserts** a new entry into sms\_db.sms\_queue with the details: CallLog\_ID, Date\_Log, Type\_Emergency, Barangay, Remarks, and created\_at. |