**Website Overview**

The website has four main pages: **Dashboard**, **Calendar**, **Model**, and **Settings**. Below is a detailed explanation of the functionalities of each page:

**Dashboard**

The **Dashboard** page is divided into several sections:

1. **Summary Section**: This section displays the total number of routes and the total number of predicted routes.
2. **Patrol Routine Form**:
   * **Select Route**: Users can choose from **Route\_A, Route\_B, Route\_C,** and **Route\_D**. When a route is selected, the system dynamically populates all the street names and their corresponding intersections along with the patrol frequency.
   * **Select Street Name**: Users can select any street name load dynamically depending on the route selected.
   * **Select Street Intersections**: Users can select any street intersections. Same with the remaining sections.
   * **Add Patrol button**: Clinking this button adds a new patrol routine to the table.
   * **Map Interaction**: Selecting a specific street name loads its intersections on the map, marking them with a marker. The map is powered by OpenStreetMap. Since intersections are given as names rather than coordinates, the OpenStreetMap API is used to convert these names to their respective latitude and longitude.
3. **Patrol Routine Table**: This table displays patrol routines from the backend. It allows users to add, edit, or delete patrol routines. The table includes columns for **Patrol Route**, **Frequency**, **Date**, **Comments**, and **Actions** (Edit/Delete buttons).

**Calendar**

The **Calendar** page includes:

1. **Summary Section**: This section displays the total number of routes and predicted routes, calculated dynamically from the database whenever the page is loaded or refreshed.
2. **Route Events Calendar**: This calendar displays routes scheduled for patrol as events. A 30-day calendar is loaded using JavaScript to display events for the four routes (**Route\_A, Route\_B, Route\_C, Route\_D**). Hovering over a route event shows the street names and their corresponding intersections in a popup table.

**Model**

The **Model** page showcases the performance of the predictive model. The model is trained using the **road\_information.xlsx** dataset. This page displays the progress and performance metrics of the model training process.

**Settings**

The **Settings** page provides user profile information. Users can update their username and password on this page.