**Admin Dashboard Documentation**

[Segment 1: Admin Login]

**i. Secure Access**

Admins use secure login information to access the Admin Dashboard. For authentication, administrators give their login and password. This makes sure that only individuals with permission may access the administrative features.

[Segment 2: Driver Management]

**i. Driver Assigning**

Admins can assign a driver to a specific bus using the bus registration number. Admins enter the bus registration number and select an available driver from the list of drivers. This feature ensures that each bus has a designated driver.

**ii. Driver Reassign**

Admins can reassign a driver to a bus if the original driver is not available. Admins select the bus using registration number and a new driver from available options for handling driver unavailability due to sickness or other reasons.

**iii. Route Monitoring and Alerts**

If any disruptions such as landslides, road closures, or other incidents happens then the system sends an immediate alert to the bus driver, advising them not to proceed and suggest alternative routes. The system uses real-time data and information from local authorities to detect route disruptions. By this we can avoid hazardous situations on the road.Top of Form

[Segment 3: Bus Management]

**i. Real-time Bus Location**

Admins can track any bus using real-time location of all buses operating. The dashboard displays a map with the live positions of buses, including information about delays and routes. It helps administrators to monitor and respond if any issue occurs.

**ii. Bus Stats and Performance**

Admins can access statistical data related to the transportation system's performance. The system provides graphs, charts, and reports on bus performance, on-time arrivals, delays, and more. It helps in analyzing system efficiency and making decision to improve the system.

[Segment 4: User Alerts]

**i. View User Alerts**

Admins can view and manage user alerts, including reports of missing luggage or emergency messages. Admins can access user alerts, review details, and take appropriate actions. Allows admins to address user-reported issues promptly and maintain passenger satisfaction.

[Segment 5: System Settings]

**i. General System Settings**

Admins can configure general system settings, including notifications, language preferences, and accessibility features. Allows customization of the system to meet specific needs. Enhances the user experience and ensures accessibility for a diverse user base.

**ii. User Management**

Admins can manage driver accounts, including creating, suspending, or deleting driver profiles. Ensures that only authorized users have access to the system.

**CONCLUSION:** The Admin Dashboard of "Himachal Bus Tracker" is the control center that keeps the entire transportation system running smoothly. With powerful features for driver and bus management, user alerts, and system customization, administrators can ensure safe, efficient, and reliable bus services for the residents and travelers of Himachal Pradesh. Welcome to a new era of transportation management. Welcome to "Himachal Bus Tracker Admin Dashboard."