UNISAFE

"Your campus, your
safety, your way"

# UNISAFE WEB APP

# USER MANUAL

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## WHY WAS THE APPLICATION CREATED

In order to prioritize university students' safety, convenience, and overall campus experience, the **UniSafe** web and mobile application was developed to address a range of demands that they encounter on campus. Providing a uniform platform that improves campus safety through real-time emergency communication, simplifies parking availability with live data feeds, and facilitates effective campus navigation was the main driving force behind the creation of **UniSafe**. In light of the growing need for technological solutions in the field of higher education, **UniSafe** seeks to address logistical issues and gaps in student safety. By encouraging environmentally beneficial modes of transportation like carpooling, it also aims to promote sustainability.

Students were the primary focus of this application's design, which guarantees that they always have access to trustworthy, up-to-date information and services. **UniSafe** is a complete solution that makes campus life easier and gives peace of mind by offering a single location for safety warnings, parking availability, campus maps, and transportation alternatives. In addition to advancing the university's overarching objective of encouraging sustainability and efficient campus operations, the purpose is to give students a sense of security, empowerment, and knowledge.

## WHAT IS NEEDED TO RUN THE APPLICATION

**Device Requirements:**
The web app is designed to be accessed via a standard desktop or laptop computer. It is optimized for modern web browsers (Google Chrome) ensuring that users with this browser can access the app seamlessly. The device should have an active internet connection to interact with real-time features like live parking availability and emergency alerts.

**Operating System Compatibility:**
The web application is compatible with most major operating systems, including Windows.

**Internet Connection:**
A stable and reliable internet connection is required for the application to function optimally, as the web app relies on real-time updates for parking availability, emergency communication, and other data-intensive features.

**User Account:**
To fully utilize the web application, students must register for an account. This involves creating a username and password, ensuring that only authorized users have access to their personalized dashboard and data. An email address is also required to receive updates, emergency alerts, and notifications.

## HOW TO RUN THE APPLICATION

**Step 1:** Access the Website
To begin using **UniSafe**, open your preferred web browser and enter the application's website URL in the address bar. Once the website loads, you will be greeted by the login page.

**Step 2:** Login to Your Account
If you have already registered an account, simply enter your email address and password in the login fields. Click on the Login button to proceed. If you are a new user, you will need to register by providing necessary details, such as your name, email, and password. After registration, you will receive a confirmation email to activate your account. Once activated, you can log in using your new credentials.

**Step 3:** Navigate the Dashboard
After logging in, you will be directed to the dashboard, which provides an overview of all the features available within the application. From here, you can access various functions such as:

- Emergency Panel: For reporting emergencies and alerting security.

- Parking Availability: To check available parking spots on campus.

- Campus Map: To navigate buildings and find the best routes around campus.

- Carpooling Options: To find and join carpooling groups.

- Complaints Tab: To submit any complaints directly to the university administration.
  The dashboard serves as your central hub, providing easy access to all of **UniSafe's** features.

## WEB APPLICATION OVERVIEW

An extension of the mobile platform, the **UniSafe** online application was created to give college students a reliable, easily navigable, and accessible interface for handling their safety, transit, and campus navigation requirements. The online version is the best choice for people accessing the system from desktops or laptops because it replicates the essential features of the mobile app while providing improved usability on larger displays.

To guarantee smooth interaction across a range of devices and browsers, the program makes use of an intuitive and responsive design. It integrates cutting-edge web technologies and gives security, usability, and real-time functioning top priority. The web application guarantees a comprehensive and effective user experience by enabling

students to efficiently manage their accounts, access safety tools, and make use of campus resources.

## LOGIN SCREEN

### FUNCTIONALITY

Students can safely use the UniSafe online application through the login page. To identify themselves and access their customized dashboard and features, users must provide their registered email address and password. In order to guarantee that only authorized users can continue, the system instantly verifies the credentials against a secure database.

The login procedure employs cutting-edge encryption to safeguard private information while it is being transmitted in order to improve security. Users are taken to their dashboard, which offers a summary of important features including parking availability, emergency contacts, and carpooling alternatives, after successfully logging in. Users receive a clear error message, such as "Invalid email or password," if authentication fails, encouraging them to accurately renter their information.

### DESIGN

A focus on the work is ensured by the login page's straightforward, centred structure with few distractions. Icons for the password and email provide visual clarity, and input fields are defined properly. On all devices, buttons are simple to click due to their size and responsiveness. Real-time error messages for unsuccessful login attempts are shown along with troubleshooting instructions. User credentials are protected by encryption mechanisms, and responsive design makes sure that it works with all current browsers.

## CAMPUS MAP

### FUNCTIONALITY

An interactive tool that offers comprehensive navigation and university information is the campus map. Buildings, amenities, parking lots, and other items of interest can all be found by users.

### DESIGN

Using a split-screen design, the campus map is shown prominently, taking up most of the page while a sidebar offers navigation and other information. Interactive icons and tooltips that expand with thorough information are used to indicate locations. To view particular categories, such parking, emergency services, or recreational places, users can switch between layers. The adaptable design of the map guarantees seamless interaction and navigation on all devices.

## PARKING AVAILABILITY

### FUNCTIONALITY

The parking feature allows users to view real-time availability of parking spaces across campus. The system uses live data feeds to display open and occupied spots. Notifications alert users when spaces open up in their preferred zones.

### DESIGN

Parking availability is integrated into the campus map, with spaces highlighted using color-coded indicators. The design ensures real-time updates with smooth visual transitions as data changes.

## EMERGENCY CONTACT PANEL

### FUNCTIONALITY

The Emergency Contact Panel allows users to manage their list of trusted contacts. They can add, update, or remove contacts, with each entry requiring details such as name, phone number, and relationship. Users can also set a primary contact for alerts triggered by the app's panic button.

### DESIGN

The panel uses a list format for clarity, with action buttons. The layout is optimized for readability, with icons and labels providing visual guidance. Security measures prevent unauthorized changes by requiring users to verify their identity before making updates.

## CARPOOL OPTION

### FUNCTIONALITY

The carpooling feature enables students to find or create carpool groups based on their travel preferences. Users can browse available rides, create their own groups, or filter by departure time, destination, or car type. Notifications keep users informed about updates or ride confirmations.

### DESIGN

Carpooling options are presented in a grid or list view, with profile cards for each ride group displaying key details (e.g., location, departure time, number of people and driver details).A "Create Carpool" button takes users to a dedicated form with options for route details, travel times, and passenger limits.

# USER DASHBOARD SETTINGS

**FUNCTIONALITY**

The dashboard provides users with a centralized overview of their activities and app features. It includes summaries of current parking availability, upcoming carpools, saved emergency contacts, recent notifications, and campus announcements. The dashboard is the starting point for navigation, offering quick links to other features.

**DESIGN**

The dashboard adopts a widget-based layout, with each module (e.g., parking, carpooling, safety alerts) presented in a collapsible card format. Users can customize the layout, rearranging or hiding widgets as needed. Notifications are displayed prominently at the top, while quick action buttons allow for efficient interaction. The design prioritizes clarity and usability, with a clean and responsive interface that adapts to different screen sizes.

**END**