



Smart-Access

## Quick Start Guide

***Download the Mobile App and Get Started in Minutes***

*<https://play.google.com/store/apps/details?id=io.smartparking>*

# Sign Up and Login

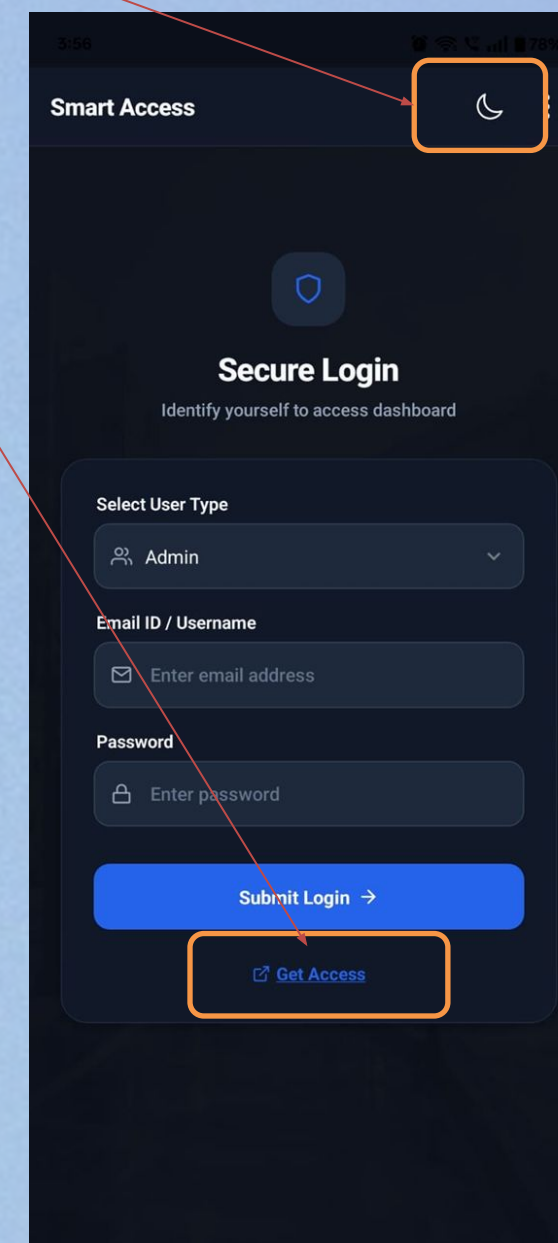
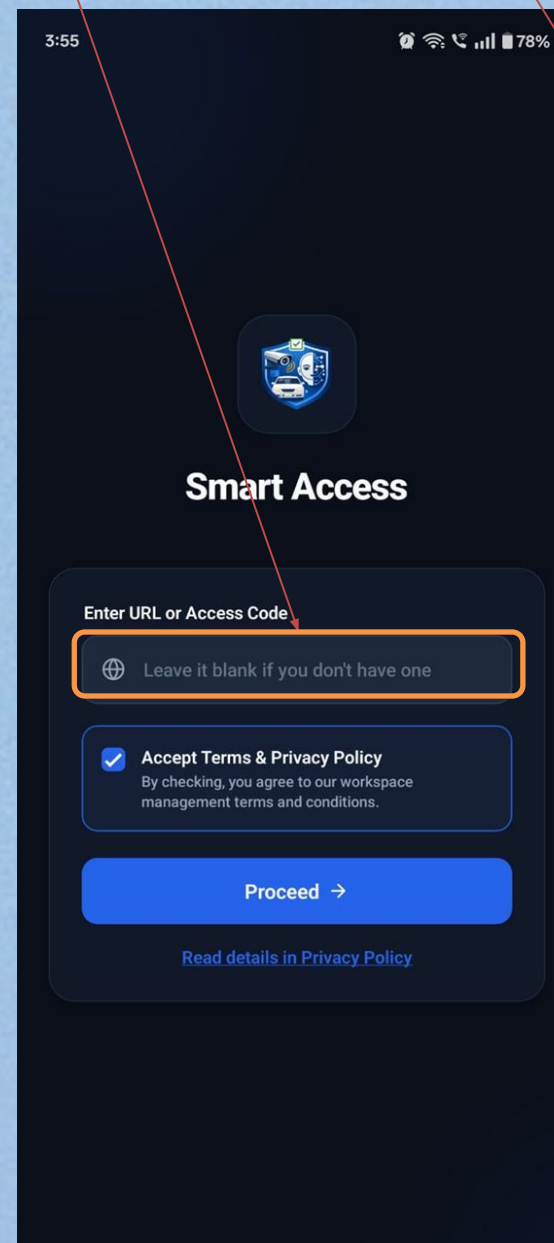
## Login

Create Location

Clock-in/Clock-out

Dashboards & Reports

- Leave the **URL/Access Code** field blank on the first screen of the app. This option is used when connecting the app to a **custom server** instead of the default **cloud server**.
- You can switch to **Dark Mode** for a more comfortable and visually appealing experience.
- On the next screen, select **Sign Up as Admin**, complete the registration, and then log in to the app.



# Create a Location

Login

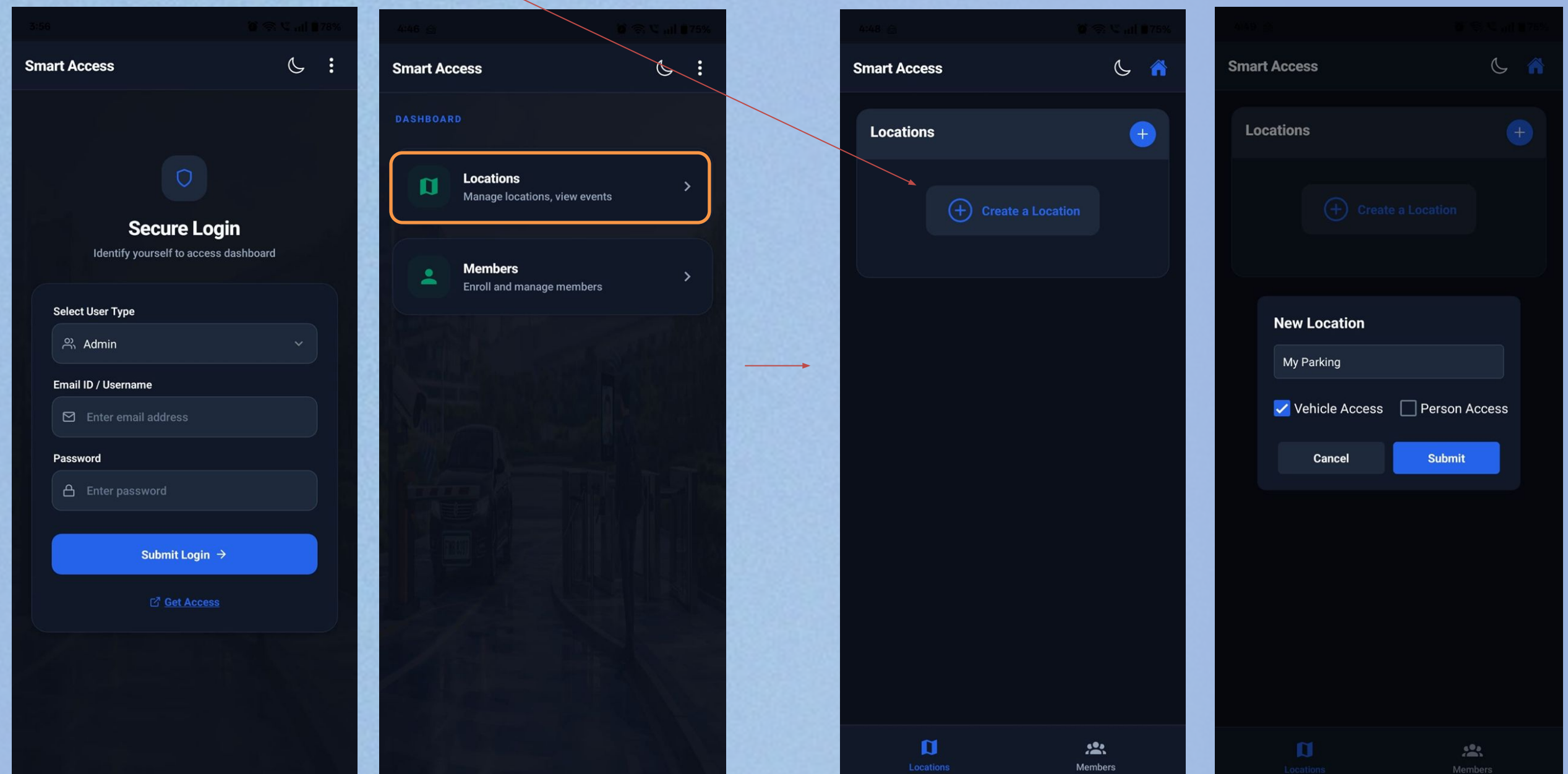
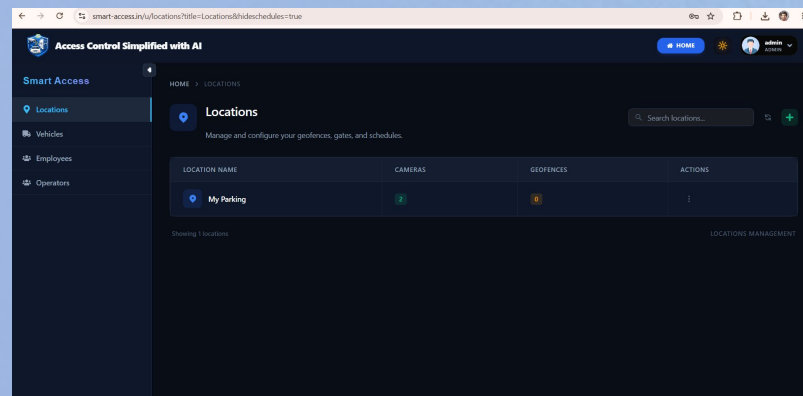
Create Location

Clock-in/Clock-out

Dashboards & Reports

- Log in to the Mobile App as an **Admin** using the credentials provided.
- On the next screen, tap **Locations**.
- Create a **new Location** to manage vehicle and/or person entry and exit for that location.

The same functionality is also available in the Web Portal.



# Mobile Clock-in/Clock-out

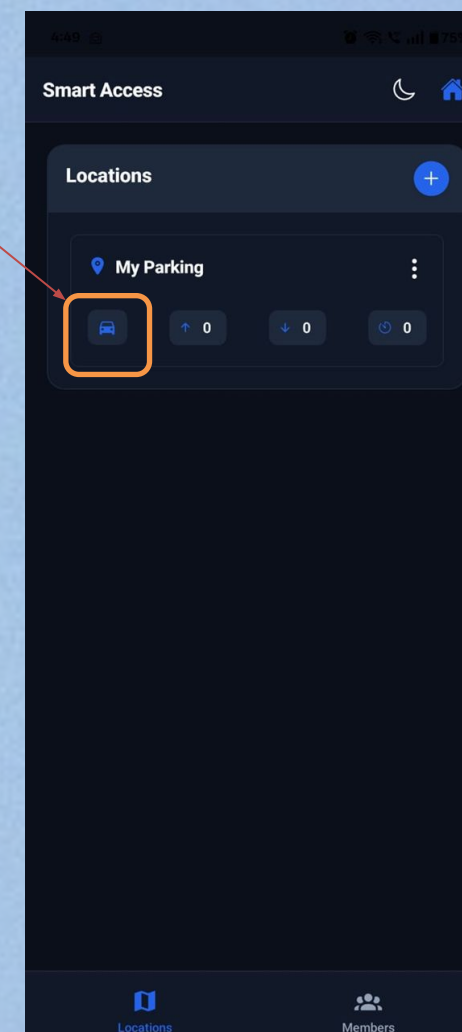
Login

Create Location

**Clock-in/Clock-out**

Dashboards & Reports

- While **ANPR** and **Face Recognition** with CCTV camera integration can automatically manage vehicle and person entry/exit, the **Mobile App** provides a quick and convenient alternative for security personnel to perform the same operations manually.
- Once a Location is created, it will be displayed on the **Locations** page.
- Tap the **Vehicle** icon to manually clock in a vehicle. If the **Person** option was enabled while creating the Location, a **Person** icon will also be available to manually clock in a person.
- **Note:** Although the screenshots in this guide show the **Admin** login, the same functionality can also be enabled for **Security Personnel** logins, allowing guards to perform gate operations directly from the Mobile App.



# Mobile Clock-in/Clock-out

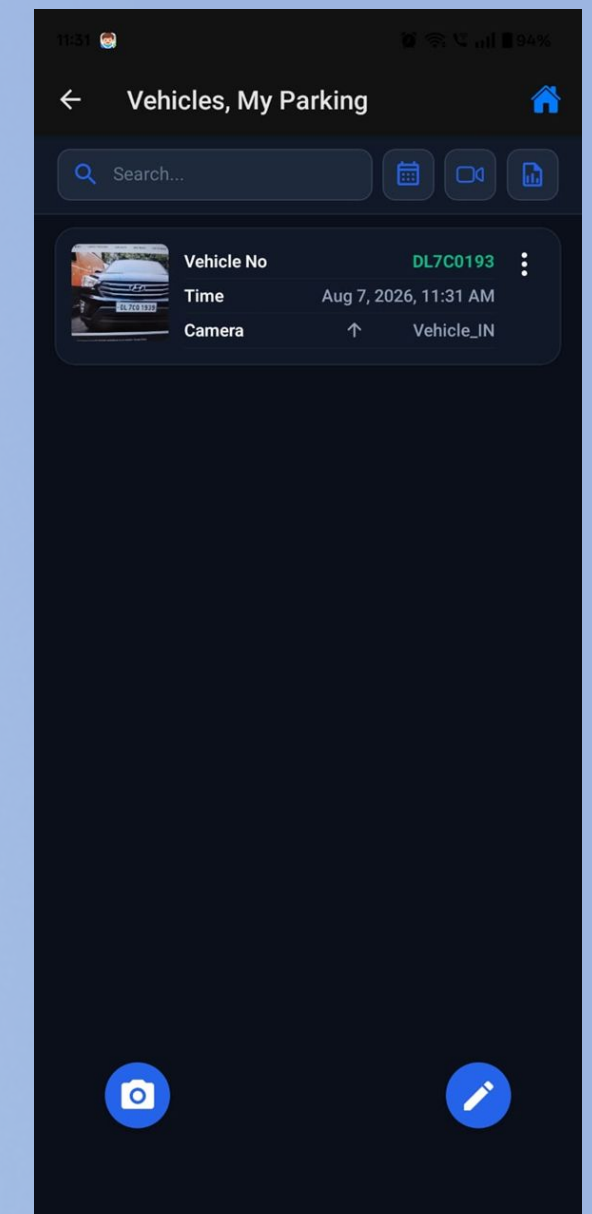
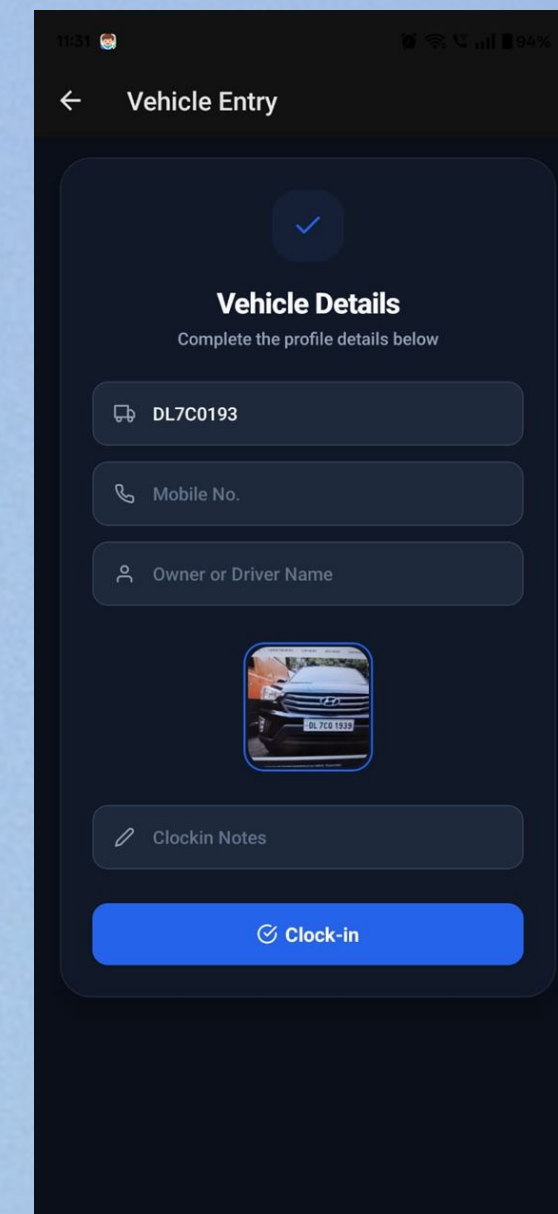
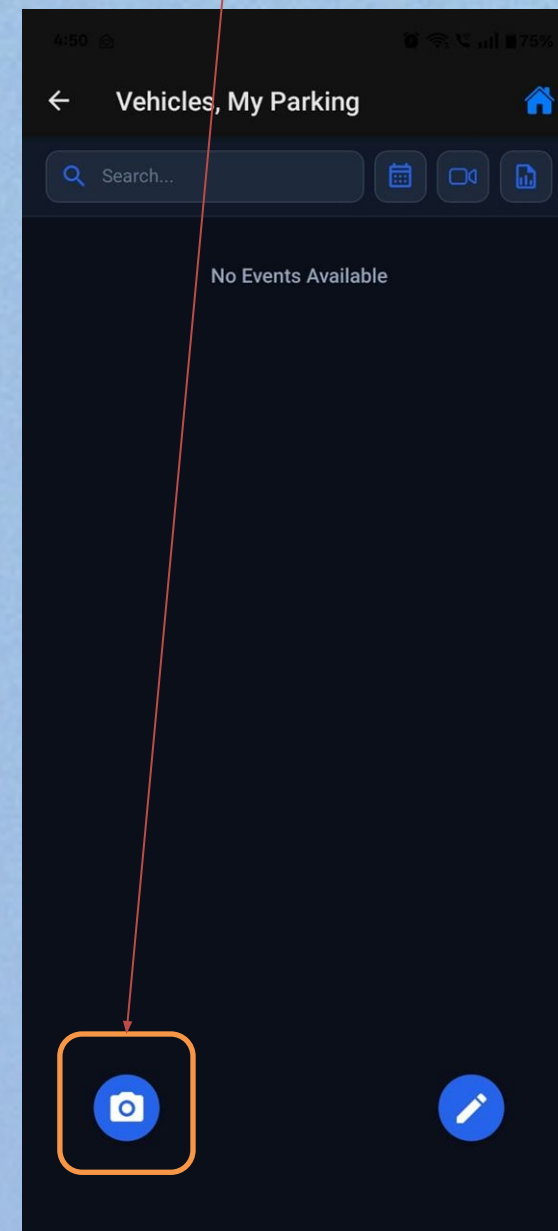
Login

Create Location

**Clock-in/Clock-out**

Dashboards & Reports

- The **Camera** icon can be used to instantly perform **ANPR** using the mobile camera, and perform a clock-in/clock-out operation.



# Mobile Clock-in/Clock-out

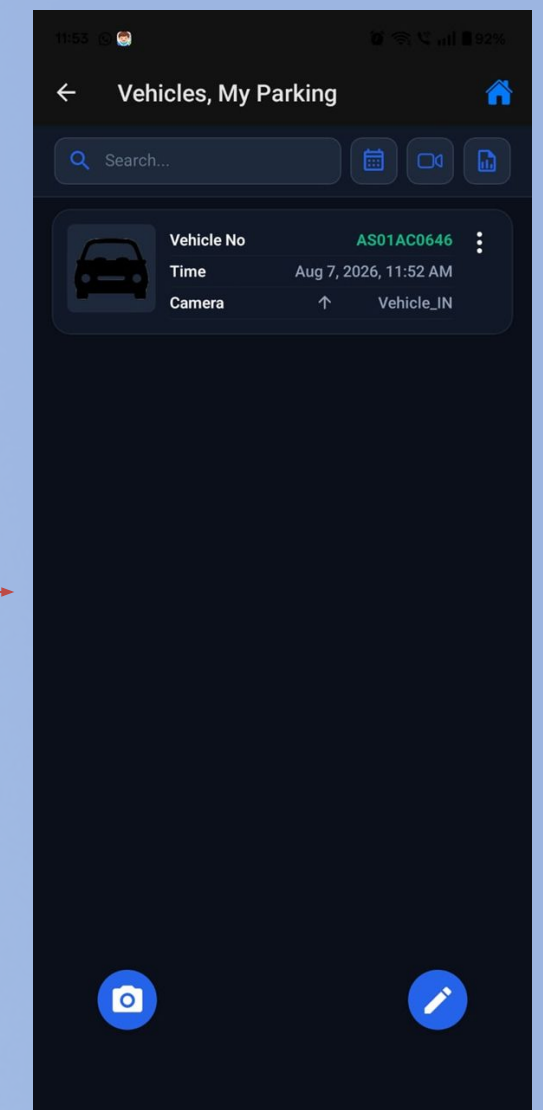
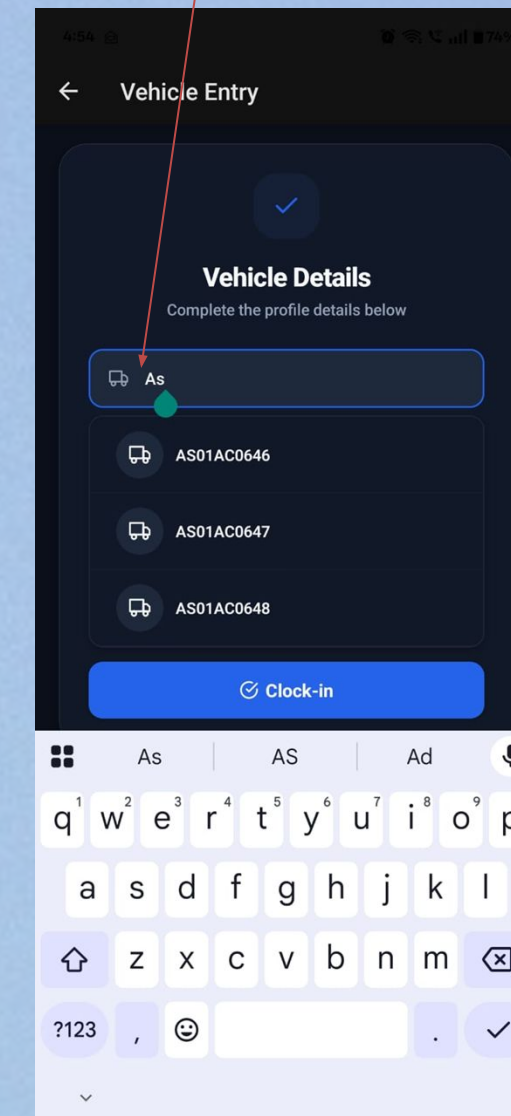
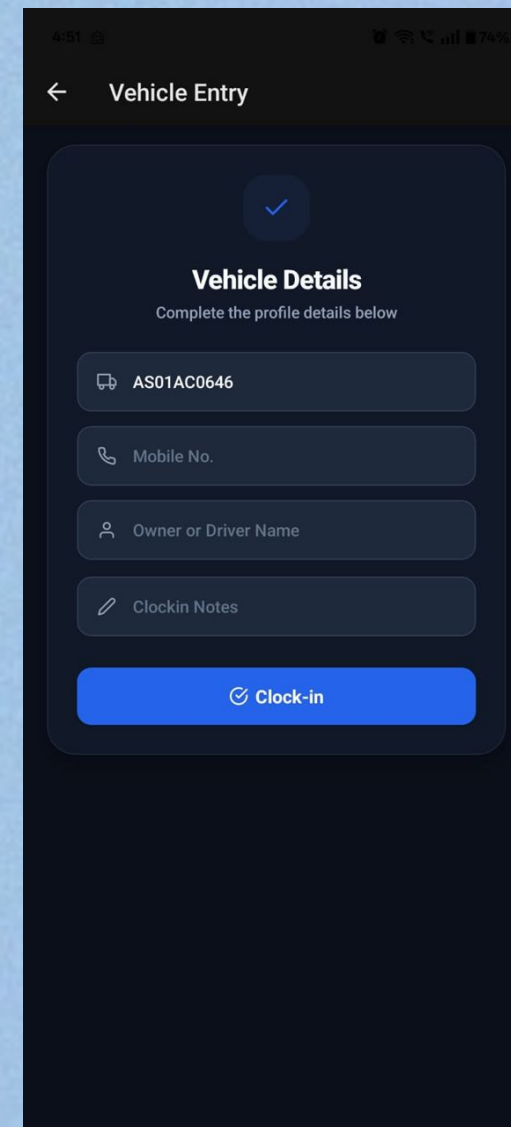
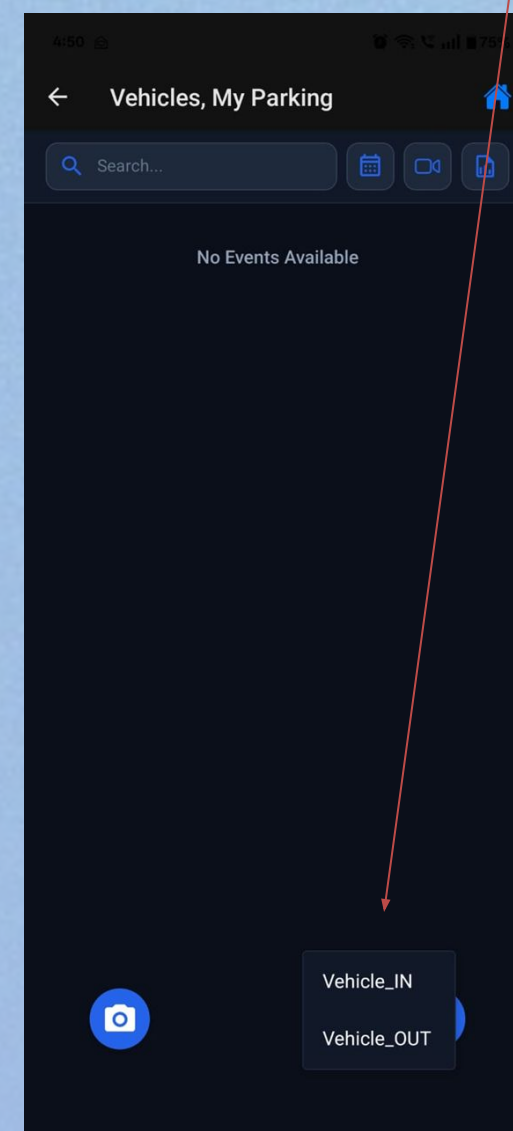
Login

Create Location

**Clock-in/Clock-out**

Dashboards & Reports

- Alternatively, the **Pencil** icon can be used to register a new vehicle or person and clock them **in** or **out** immediately.
- While entering the details, the system provides an **auto-complete** feature to quickly search for and select an existing vehicle or person, eliminating the need to enter the information again.



# Dashboards & Reports

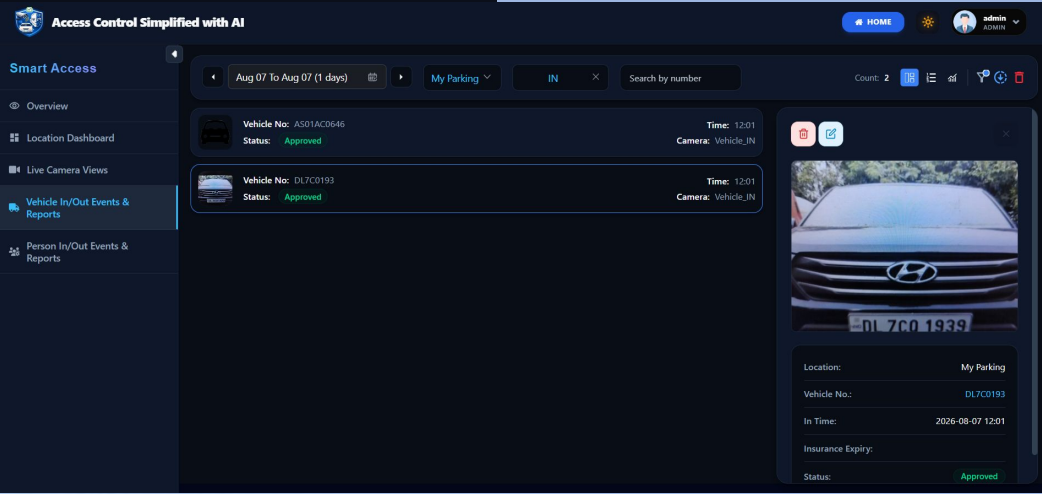
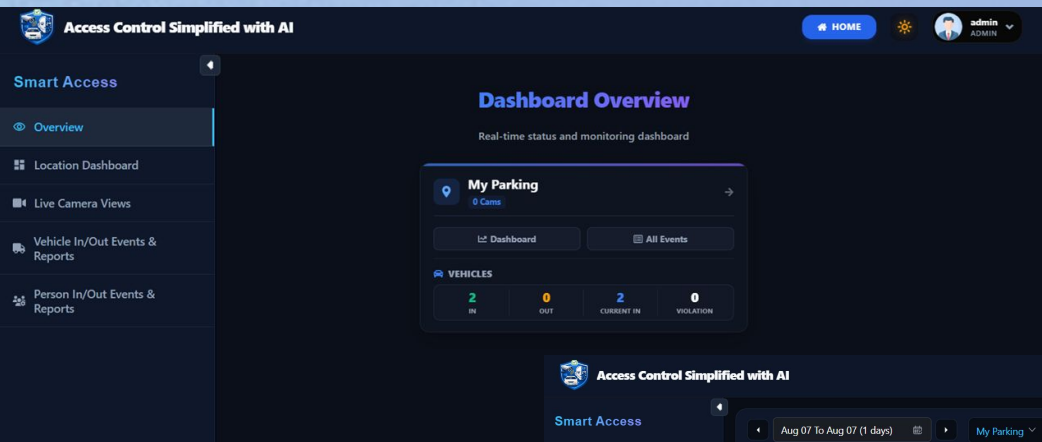
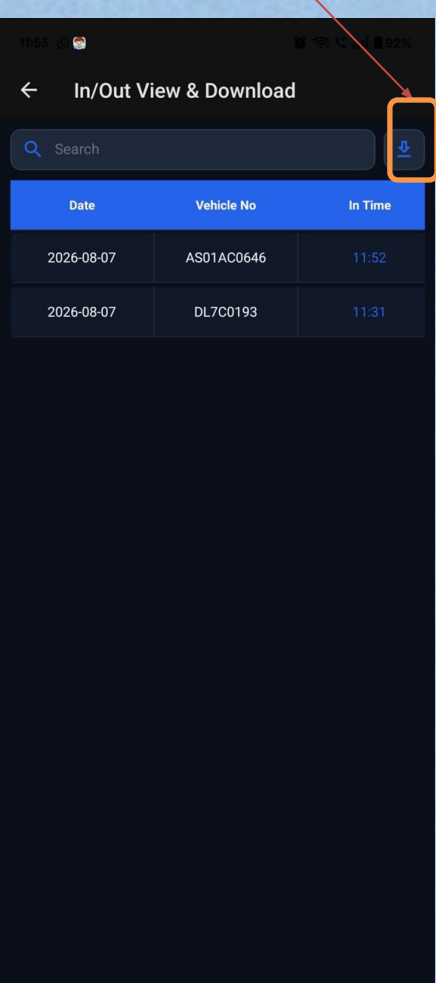
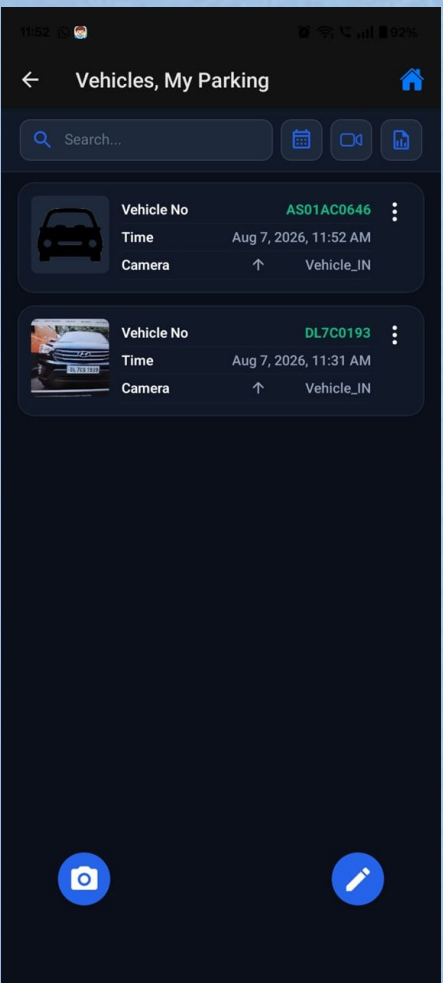
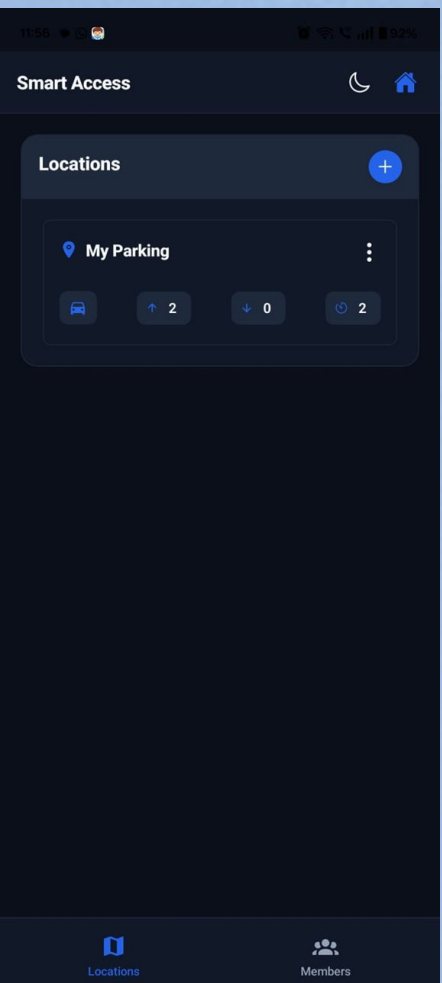
Login

Create Location

Clock-in/Clock-out

Dashboards & Reports

- All clock-in and clock-out data is instantly available through **dashboards, reports, and Excel downloads** in both the **Mobile App** and the **Web Portal**.



|     | A          | B             | C          | D     | E     | F               |
|-----|------------|---------------|------------|-------|-------|-----------------|
| 112 | 2026-07-22 | NRL HQ Campus | AS01ET7929 | 09:44 | 15:04 | Unknown vehicle |
| 113 | 2026-07-22 | NRL HQ Campus | AS01EU3385 | 09:44 | -     | Unknown vehicle |
| 114 | 2026-07-22 | NRL HQ Campus | AR01Y6300  | 09:44 | -     | Unknown vehicle |
| 115 | 2026-07-22 | NRL HQ Campus | AS05U4795  | 09:43 | -     | Unknown vehicle |
| 116 | 2026-07-22 | NRL HQ Campus | AS01FD6317 | 09:42 | 14:41 | Unknown vehicle |
| 117 | 2026-07-22 | NRL HQ Campus | AS01GH0124 | 09:42 | -     | Unknown vehicle |
| 118 | 2026-07-22 | NRL HQ Campus | AS01FY9375 | 09:41 | 17:58 | Unknown vehicle |
| 119 | 2026-07-22 | NRL HQ Campus | AS01DG2195 | 09:41 | -     | Unknown vehicle |
| 120 | 2026-07-22 | NRL HQ Campus | AS01EA2400 | 09:40 | 10:38 | Unknown vehicle |
| 121 | 2026-07-22 | NRL HQ Campus | AS01FG9037 | 09:40 | 09:41 | Unknown vehicle |
| 122 | 2026-07-22 | NRL HQ Campus | AS01BX8546 | 09:40 | -     | Unknown vehicle |
| 123 | 2026-07-22 | NRL HQ Campus | AS01EA1193 | 09:39 | 18:13 | Unknown vehicle |
| 124 | 2026-07-22 | NRL HQ Campus | AS01SC5176 | 09:39 | 13:08 | Unknown vehicle |
| 125 | 2026-07-22 | NRL HQ Campus | AS01BW7347 | 09:39 | 14:54 | Unknown vehicle |
| 126 | 2026-07-22 | NRL HQ Campus | AS01RC6792 | 09:39 | 09:39 | Unknown vehicle |
| 127 | 2026-07-22 | NRL HQ Campus | AS01EP4431 | 09:39 | -     | Unknown vehicle |
| 128 | 2026-07-22 | NRL HQ Campus | AS01BM8254 | 09:38 | -     | Unknown vehicle |
| 129 | 2026-07-22 | NRL HQ Campus | AS01BP6177 | 09:38 | -     | Unknown vehicle |
| 130 | 2026-07-22 | NRL HQ Campus | AS01F18173 | 09:37 | 09:38 | Unknown vehicle |
| 131 | 2026-07-22 | NRL HQ Campus | AS12CC7257 | 09:37 | 14:46 | Unknown vehicle |
| 132 | 2026-07-22 | NRL HQ Campus | AS01FP2923 | 09:37 | -     | Unknown vehicle |
| 133 | 2026-07-22 | NRL HQ Campus | AS01GH5681 | 09:37 | -     | Unknown vehicle |
| 134 | 2026-07-22 | NRL HQ Campus | AS01DT3848 | 09:36 | 17:57 | Unknown vehicle |
| 135 | 2026-07-22 | NRL HQ Campus | AS01RC6805 | 09:36 | 11:20 | Unknown vehicle |

|   | A          | B             | C           | D       | E        | F               |
|---|------------|---------------|-------------|---------|----------|-----------------|
| 1 | Date       | Location      | Vehicle No. | In Time | Out Time | Status          |
| 2 | 2026-07-23 | NRL HQ Campus | AS01TC0991  | -       | 12:14    | Unknown vehicle |
| 3 | 2026-07-23 | NRL HQ Campus | AS01TC0991  | 12:14   | -        | Unknown vehicle |
| 4 | 2026-07-22 | NRL HQ Campus | AS01TC0991  | 09:03   | 17:43    | Unknown vehicle |
| 5 | 2026-07-21 | NRL HQ Campus | AS01TC0991  | 09:06   | 18:11    | Unknown vehicle |
| 6 | 2026-07-20 | NRL HQ Campus | AS01TC0991  | 14:15   | -        | Unknown vehicle |
| 7 | 2026-07-17 | NRL HQ Campus | AS01TC0991  | 09:06   | 14:38    | Unknown vehicle |

# Web Dashboards & Reports

@

*<https://smart-access.in>*

# Overview

## Overview

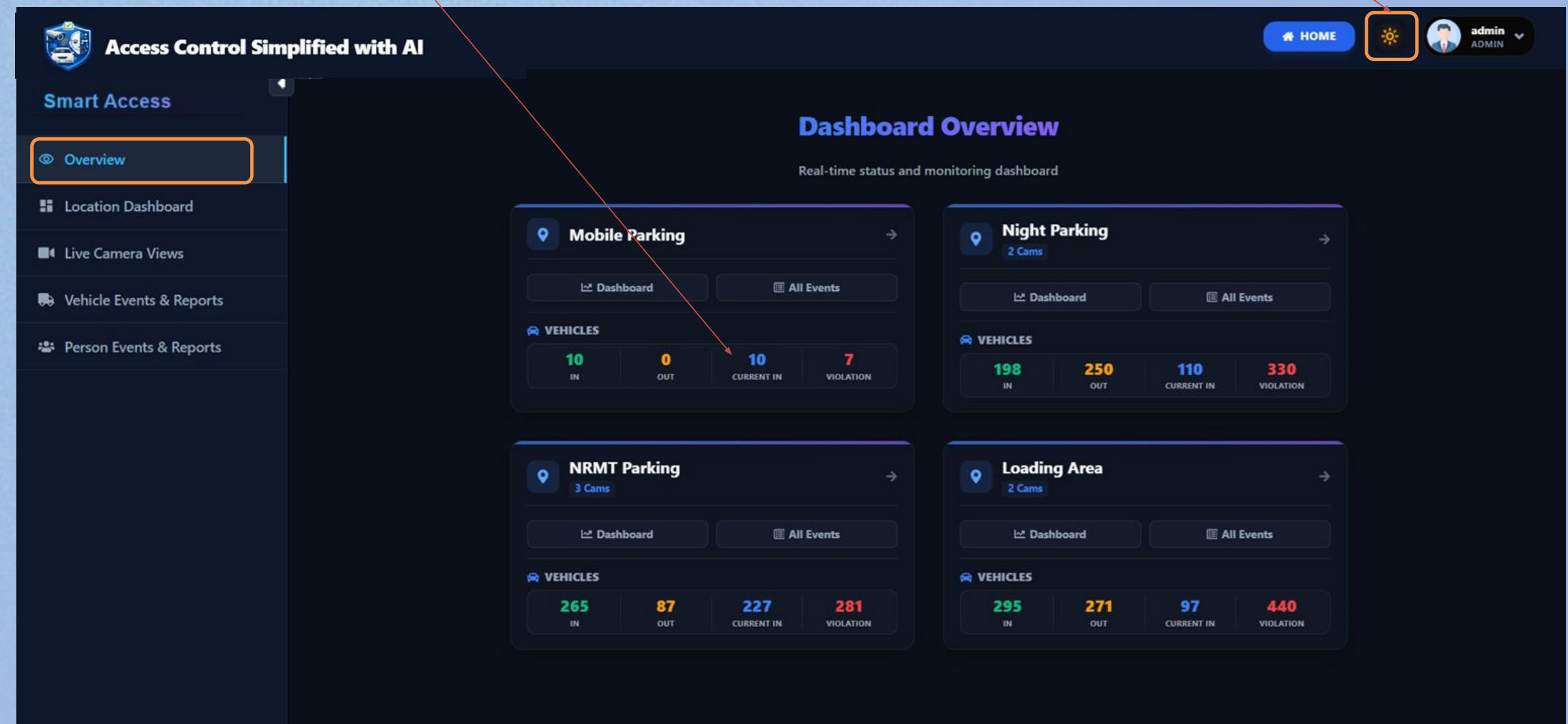
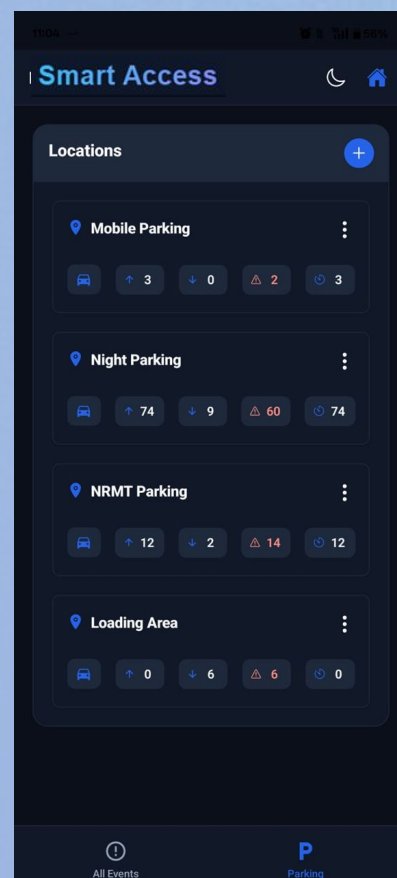
Location View

Live Camera Views

Event Details

Excel Downloads

- Once logged into the web application, you can switch to **Dark Mode** using the icon at the top right, for a more comfortable and visually appealing experience.
- The **Overview Dashboard** displays consolidated statistics across all configured locations (Total IN, OUT, Currently IN and Violation counts).
- Use the navigation links and dashboard widgets to drill down into **location-specific dashboards, views, and event listings** with filtered data.



# Location View

Overview

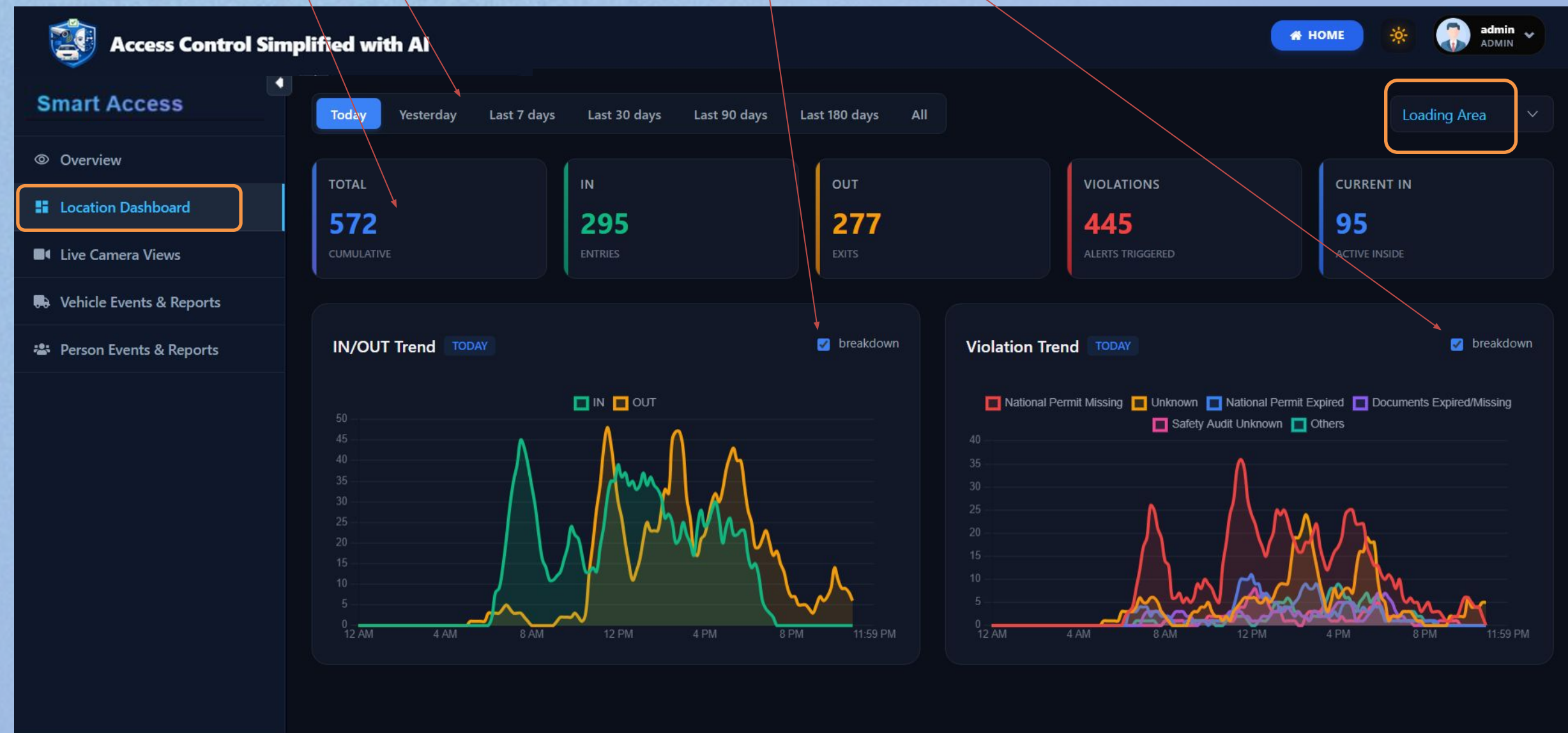
**Location View**

Live Camera Views

Event Details

Excel Downloads

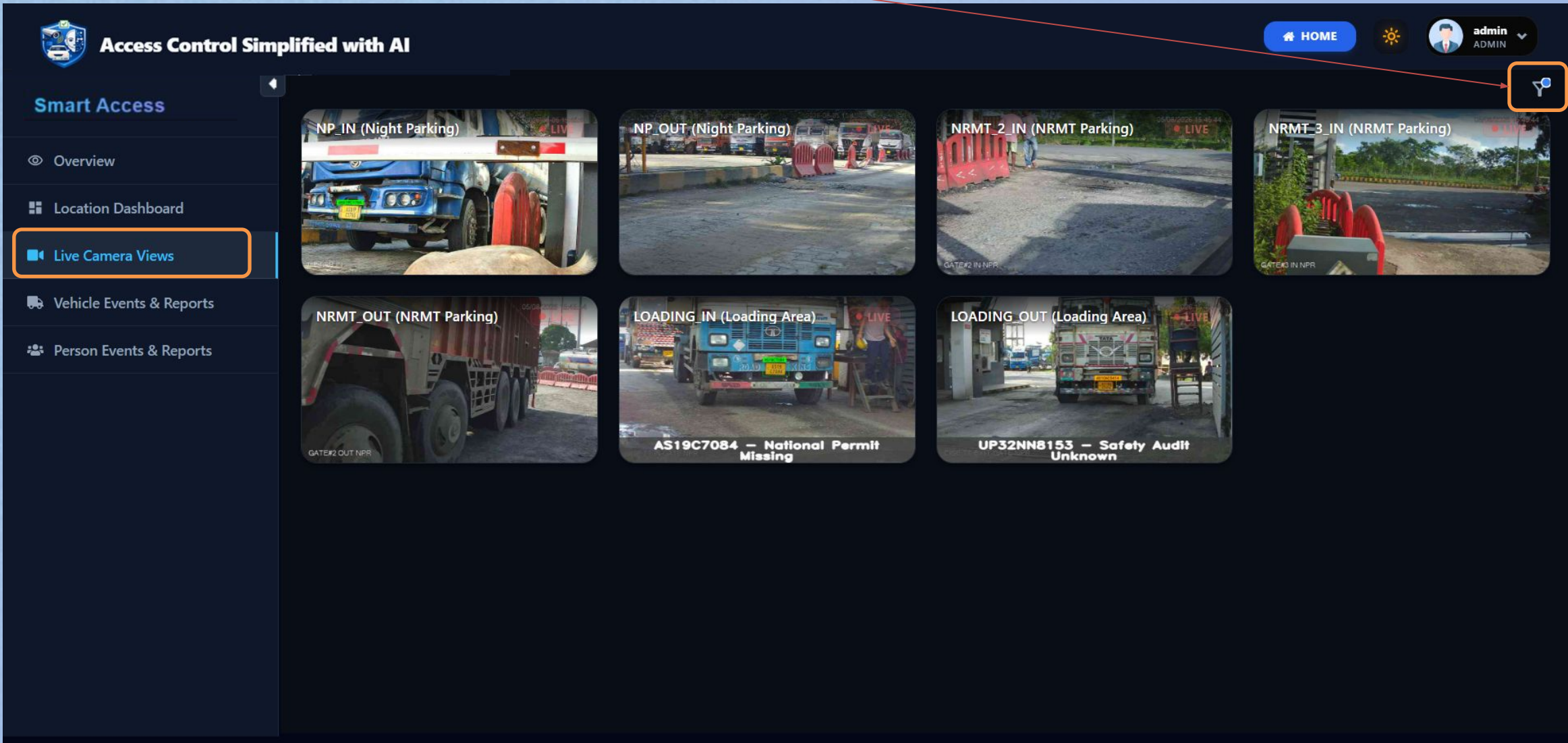
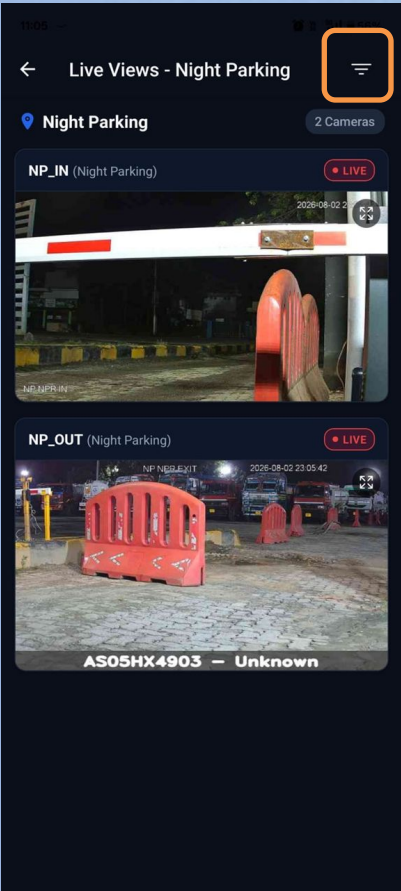
- **Location Dashboard** displays location-specific statistics and trends. You can also access this page by drilling down from the **Overview Dashboard**.
- Analyse trends using the available breakdown options (In/Outs, Violations over time).
- Use the **Duration** tabs to view trends over different time periods.
- Click any **Count** tile to drill down into the corresponding event details.



# Live Camera Views

|                          |
|--------------------------|
|                          |
| Overview                 |
| Location View            |
| <b>Live Camera Views</b> |
| Event Details            |
| Excel Downloads          |

- Click **Live Camera Views** from the left navigation menu to view live feeds from all configured cameras. You can also access this page by drilling down from the **Overview Dashboard** for a location site.
- As vehicles and people are detected by the cameras, their real-time status and recognition results are displayed instantly in the corresponding live view window.
- You can use the **Filter** option to customize this view to show only specific locations or cameras.
- **Note:** Live Camera Views are available only when an **Edge AI Agent** is deployed and integrated with CCTV cameras.



# Event Details

Overview

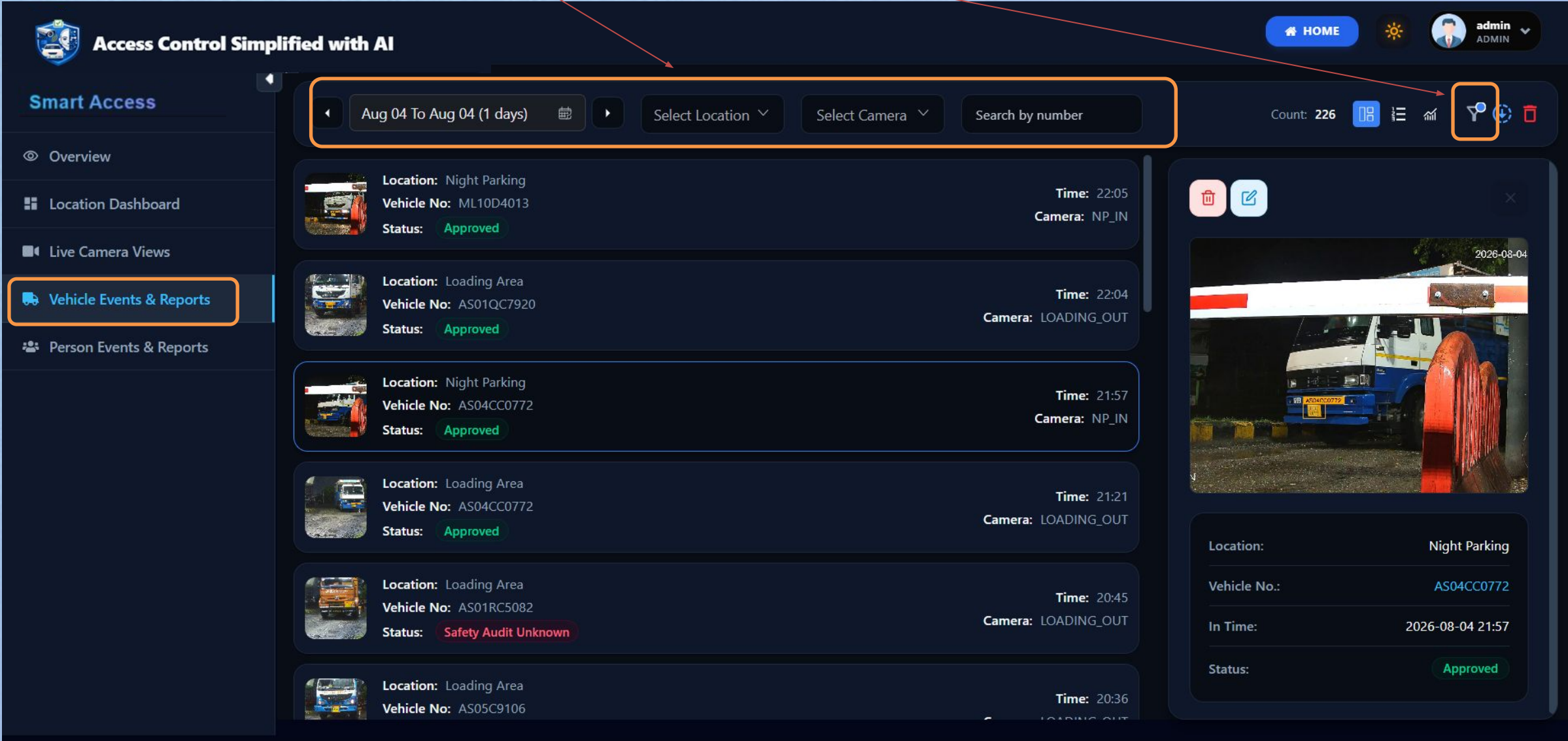
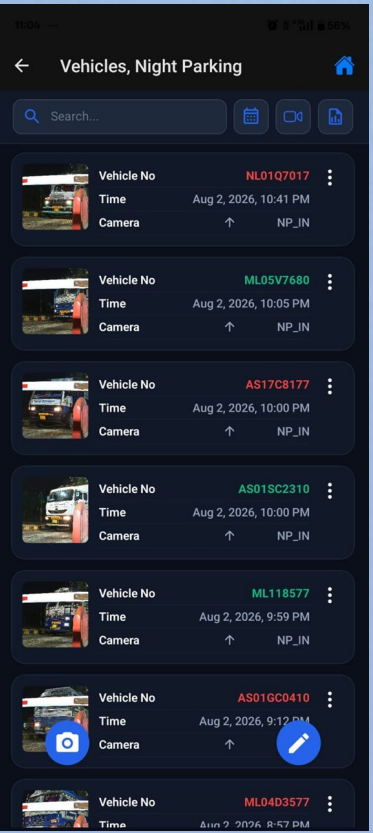
Location View

Live Camera Views

**Event Details**

Excel Downloads

- Click **Events & Reports** from the left navigation menu to open the **Event Dashboard**.
- Alternatively, you can navigate to the **Event Dashboard** directly from the **Overview** and **Location Dashboards** using the drill-down option.
- Click on any event to view its details along with the captured photos.
- Use the **Search**, **Date Range**, and **Filter** options to quickly locate specific events.



# Event Details

Overview

Location View

Live Camera Views

Event Details

Excel Downloads

- Explore other visualization options using the top right icons
- Apply various filters alongside

Access Control Simplified with AI

Smart Access

Jul 23 To Jul 23 (1 days) Select Camera Search by number Count: 140

| Date       | Location      | Vehicle No. | In Time | Out Time | Status          |
|------------|---------------|-------------|---------|----------|-----------------|
| 2026-07-23 | NRL HQ Campus | AS01SC5176  | 12:06   |          | Unknown vehicle |
| 2026-07-23 | NRL HQ Campus | AS06CC6217  |         | 12:04    | Unknown vehicle |
| 2026-07-23 | NRL HQ Campus | AS03CC7495  | 11:54   |          | Unknown vehicle |
| 2026-07-23 | NRL HQ Campus | AS25DC8413  | 11:52   |          | Unknown vehicle |
| 2026-07-23 | NRL HQ Campus | AS01FZ8435  |         | 11:50    | Unknown vehicle |
| 2026-07-23 | NRL HQ Campus | AS01ES0407  |         | 11:43    | Unknown vehicle |
| 2026-07-23 | NRL HQ Campus | AS01FZ8435  | 11:43   |          | Unknown vehicle |
| 2026-07-23 | NRL HQ Campus | AS01GL3777  |         | 11:40    | Unknown vehicle |
| 2026-07-23 | NRL HQ Campus | AS01SC5239  | 11:37   |          | Unknown vehicle |
| 2026-07-23 | NRL HQ Campus | AS01FZ8435  |         | 11:32    | Unknown vehicle |
| 2026-07-23 | NRL HQ Campus | AS06CC6217  |         | 11:27    | Unknown vehicle |
| 2026-07-23 | NRL HQ Campus | AS01EA5181  |         | 11:27    | Unknown vehicle |
| 2026-07-23 | NRL HQ Campus | AS01EA5181  | 11:27   |          | Unknown vehicle |
| 2026-07-23 | NRL HQ Campus | AS01FZ8435  |         | 11:26    | Unknown vehicle |

Live Camera Views

Vehicle Events & Reports

Person Events & Reports

Count: 226

Filters

Location: Select Location

Camera: Select Camera

Status: Approved, PUC Expired, Safety Audi... 3

☐ Documents Missing

☐ National Permit Expired

☐ National Permit Missing

☒ PUC Expired

☒ Safety Audit Unknown

☐ Unknown

Safety Audit Unknown

In/Out View & Download

| Date       | Vehicle No | In Time |
|------------|------------|---------|
| 2026-08-02 | NL01Q7017  | 22:41   |
| 2026-08-02 | ML05V7680  | 22:05   |
| 2026-08-02 | AS17C8177  | 22:00   |
| 2026-08-02 | AS01SC2310 | 22:00   |
| 2026-08-02 | ML118577   | 21:59   |
| 2026-08-02 | AS01GC0410 | 21:12   |
| 2026-08-02 | ML04D3577  | 20:57   |
| 2026-08-02 | AS05HX4903 | -       |
| 2026-08-02 | AR11D0012  | 20:12   |
| 2026-08-02 | AS01KC3200 | 20:11   |
| 2026-08-02 | NL01AD8963 | 19:54   |
| 2026-08-02 | AS06BC8232 | 19:51   |
| 2026-08-02 | ML05AC3977 | 19:25   |
| 2026-08-02 | AS02BC5249 | 19:24   |

In/Out View & Download

| In Time | Out Time | Status                  |
|---------|----------|-------------------------|
| 22:41   | -        | National Permit Expired |
| 22:05   | -        | Approved                |
| 22:00   | -        | National Permit Expired |
| 22:00   | -        | Approved                |
| 21:59   | -        | Approved                |
| 21:12   | -        | National Permit Missing |
| 20:57   | -        | PUC Expired             |
| -       | 20:19    | Unknown vehicle         |
| 20:12   | -        | Approved                |
| 20:11   | -        | National Permit Missing |
| 19:54   | -        | Approved                |
| 19:51   | -        | National Permit Missing |
| 19:25   | -        | PUC Expired             |
| 19:24   | -        | National Permit         |

In/Out View & Download

Filter by Status

☐ National Permit Expired 12

☐ Approved 23

☐ National Permit Missing 25

☐ PUC Expired 3

☐ Unknown vehicle 8

☐ Insurance Expired 2

Reset Apply

# Excel Download

Overview

Location View

Live Camera Views

Event Details

Excel Downloads

- From Events view, click the **Download** icon in the top-right corner to export data to an Excel file
- Select desired **Date Range** and apply **Filters** before exporting IN/OUT/Violation data in the Excel file.
- **Search** for a specific vehicle or person before clicking Download, to export the data for that vehicle or person only.

In/Out View & Download

| Date       | Vehicle No | In Time |
|------------|------------|---------|
| 2026-08-02 | NL01Q7017  | 22:41   |
| 2026-08-02 | ML05V7680  | 22:05   |
| 2026-08-02 | AS17C8177  | 22:00   |
| 2026-08-02 | AS01SC2310 | 22:00   |
| 2026-08-02 | ML118577   | 21:59   |
| 2026-08-02 | AS01GC0410 | 21:12   |
| 2026-08-02 | ML04D3577  | 20:57   |
| 2026-08-02 | AS05HX4903 | -       |
| 2026-08-02 | AR11D0012  | 20:12   |
| 2026-08-02 | AS01KC3200 | 20:11   |
| 2026-08-02 | NL01AD8963 | 19:54   |
| 2026-08-02 | AS06BC8232 | 19:51   |
| 2026-08-02 | ML05AC3977 | 19:25   |
| 2026-08-02 | AS07BP0049 | 18:54   |

Access Control Simplified with AI

Jul 22 To Jul 22 (1 days)

Select Camera

Search by number

Count: 283

Download Excel

| Date       | Location      | Vehicle No. | In Time | Out Time | Status          |
|------------|---------------|-------------|---------|----------|-----------------|
| 2026-07-22 | NRL HQ Campus | AS01RC3761  |         | 19:37    | Unknown vehicle |
| 2026-07-22 | NRL HQ Campus | AS01E4193   |         | 18:13    | Unknown vehicle |
| 2026-07-22 | NRL HQ Campus | AS01GL3777  |         | 18:06    | Unknown vehicle |
| 2026-07-22 | NRL HQ Campus | AS01F06354  | 18:06   |          | Unknown vehicle |
| 2026-07-22 | NRL HQ Campus | AS01GL6759  |         | 18:04    | Unknown vehicle |
| 2026-07-22 | NRL HQ Campus | AS01GB8678  | 18:03   |          | Unknown vehicle |
| 2026-07-22 | NRL HQ Campus | LA50D4475   |         | 18:02    | Unknown vehicle |
| 2026-07-22 | NRL HQ Campus | AS01GU4998  |         | 18:00    | Unknown vehicle |
| 2026-07-22 | NRL HQ Campus | AS01FY9375  |         | 17:58    | Unknown vehicle |
| 2026-07-22 | NRL HQ Campus | AS01HM7551  |         | 17:58    | Unknown vehicle |
| 2026-07-22 | NRL HQ Campus | AS01DT3848  |         | 17:57    | Unknown vehicle |
| 2026-07-22 | NRL HQ Campus | AS01TC1994  |         | 17:55    | Unknown vehicle |
| 2026-07-22 | NRL HQ Campus | AS01FX6658  | 17:52   |          | Unknown vehicle |
| 2026-07-22 | NRL HQ Campus | AS01RC6962  | 17:51   |          | Unknown vehicle |
| 2026-07-22 | NRL HQ Campus | AS01SC9201  | 17:51   |          | Unknown vehicle |

|     | A          | B         | C          | D     | E     | F               |
|-----|------------|-----------|------------|-------|-------|-----------------|
| 112 | 2026-07-22 | HQ Campus | AS01ET7929 | 09:44 | 15:04 | Unknown vehicle |
| 113 | 2026-07-22 | HQ Campus | AS01EU3585 | 09:44 | -     | Unknown vehicle |
| 114 | 2026-07-22 | HQ Campus | AR01Y6300  | 09:44 | -     | Unknown vehicle |
| 115 | 2026-07-22 | HQ Campus | AS05U4795  | 09:43 | -     | Unknown vehicle |
| 116 | 2026-07-22 | HQ Campus | AS01FD6317 | 09:42 | 14:41 | Unknown vehicle |
| 117 | 2026-07-22 | HQ Campus | AS01GH0124 | 09:42 | -     | Unknown vehicle |
| 118 | 2026-07-22 | HQ Campus | AS01FY9375 | 09:41 | 17:58 | Unknown vehicle |
| 119 | 2026-07-22 | HQ Campus | AS01DG2195 | 09:41 | -     | Unknown vehicle |
| 120 | 2026-07-22 | HQ Campus | AS01EA2400 | 09:40 | 10:38 | Unknown vehicle |
| 121 | 2026-07-22 | HQ Campus | AS01FG9037 | 09:40 | 09:41 | Unknown vehicle |
| 122 | 2026-07-22 | HQ Campus | AS01BX8546 | 09:40 | -     | Unknown vehicle |
| 123 | 2026-07-22 | HQ Campus | AS01EJ4193 | 09:39 | 18:13 | Unknown vehicle |
| 124 | 2026-07-22 | HQ Campus | AS01SC5176 | 09:39 | 13:08 | Unknown vehicle |
| 125 | 2026-07-22 | HQ Campus | AS01BW7347 | 09:39 | 14:54 | Unknown vehicle |
| 126 | 2026-07-22 | HQ Campus | AS01RC6792 | 09:39 | 09:39 | Unknown vehicle |
| 127 | 2026-07-22 | HQ Campus | AS01EP4431 | 09:39 | -     | Unknown vehicle |
| 128 | 2026-07-22 | HQ Campus | AS01BM8254 | 09:38 | -     | Unknown vehicle |
| 129 | 2026-07-22 | HQ Campus | AS01BP6177 | 09:38 | -     | Unknown vehicle |
| 130 | 2026-07-22 | HQ Campus | AS01FJ1873 | 09:37 | 09:38 | Unknown vehicle |
| 131 | 2026-07-22 | HQ Campus | AS12CC7257 | 09:37 | 14:46 | Unknown vehicle |
| 132 | 2026-07-22 | HQ Campus | AS01FP2923 | 09:37 | -     | Unknown vehicle |
| 133 | 2026-07-22 | HQ Campus | AS01GH5681 | 09:37 | -     | Unknown vehicle |
| 134 | 2026-07-22 | HQ Campus | AS01DT3848 | 09:36 | 17:57 | Unknown vehicle |
| 135 | 2026-07-22 | HQ Campus | AS01RC6805 | 09:36 | 11:20 | Unknown vehicle |

Jul 17 To Jul 23 (7 days)

Select Camera

AS01TC0991

Count: 9

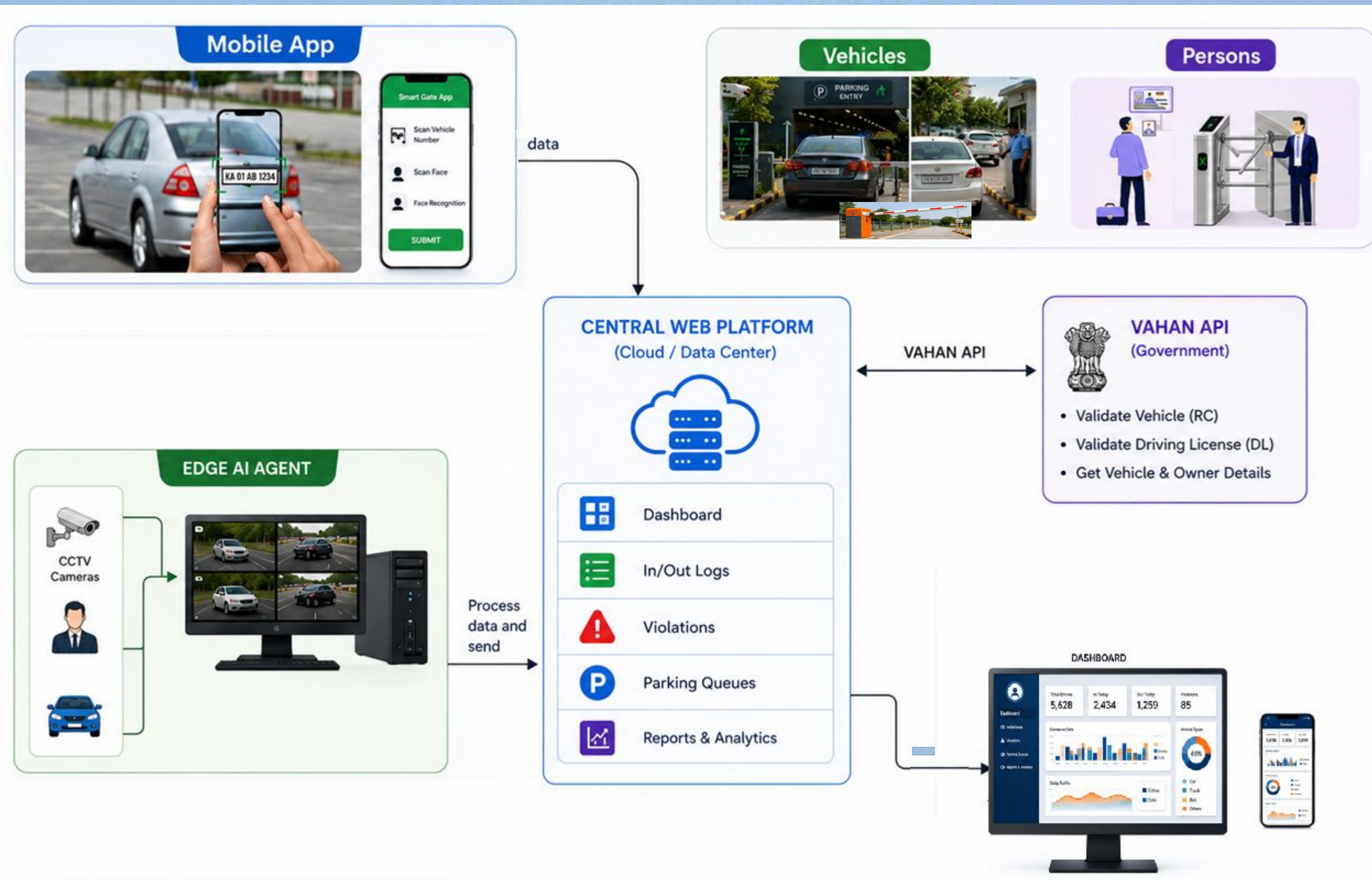
Download Excel

| Date       | Location      | Vehicle No. | In Time | Out Time | Status          |
|------------|---------------|-------------|---------|----------|-----------------|
| 2026-07-23 | NRL HQ Campus | AS01TC0991  | 12:14   |          | Unknown vehicle |
| 2026-07-23 | NRL HQ Campus | AS01TC0991  |         | 12:14    | Unknown vehicle |
| 2026-07-23 | NRL HQ Campus | AS01TC0991  |         | 10:59    | Unknown vehicle |
| 2026-07-23 | NRL HQ Campus | AS01TC0991  |         | 10:56    | Unknown vehicle |
| 2026-07-22 | NRL HQ Campus | AS01TC0991  |         | 17:43    | Unknown vehicle |
| 2026-07-22 | NRL HQ Campus | AS01TC0991  | 09:45   |          | Unknown vehicle |
| 2026-07-22 | NRL HQ Campus | AS01TC0991  |         | 09:04    | Unknown vehicle |
| 2026-07-22 | NRL HQ Campus | AS01TC0991  | 09:03   |          | Unknown vehicle |
| 2026-07-21 | NRL HQ Campus | AS01TC0991  |         | 18:11    | Unknown vehicle |
| 2026-07-21 | NRL HQ Campus | AS01TC0991  | 18:00   |          | Unknown vehicle |
| 2026-07-21 | NRL HQ Campus | AS01TC0991  |         | 09:08    | Unknown vehicle |
| 2026-07-21 | NRL HQ Campus | AS01TC0991  | 09:06   |          | Unknown vehicle |
| 2026-07-20 | NRL HQ Campus | AS01TC0991  | 17:37   |          | Unknown vehicle |
| 2026-07-20 | NRL HQ Campus | AS01TC0991  | 14:44   |          | Unknown vehicle |

# **CCTV Camera Integration using Edge AI Agent**

# Simple to Start, Easy to Scale

## Mobile and Edge AI Options



Get started in minutes using the Smart-Access Mobile App (Zero Hardware).

**Upgrade to an Edge AI Agent** with CCTV and Gate integrations to achieve fully automated access control.

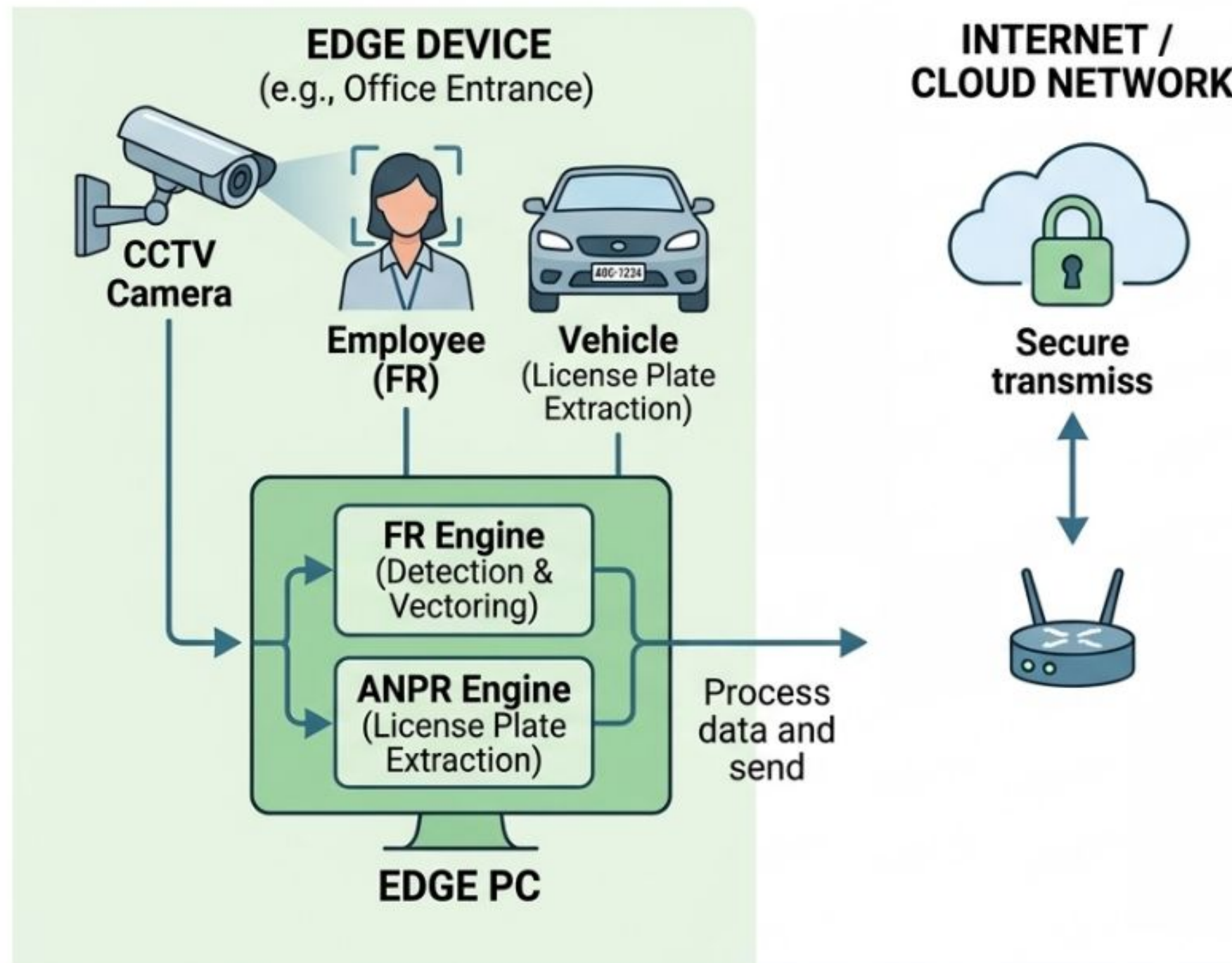
While the **Mobile App** provides a quick and convenient way for security personnel to perform gate entry and exit operations, the **Edge AI Software** fully automates these operations using **ANPR** and **Face Recognition** technologies.

In addition, the **Edge AI Agent Node** serves as the primary repository for long-term image storage. Images are retrieved and loaded to the **Cloud/Central Server** on demand, optimizing bandwidth and centralized storage while ensuring historical records remain readily accessible.

# Edge-AI Agent Architecture

Edge-AI Processing in Local N/w, with Centralized Reporting

## EDGE-BASED ANPR & FACIAL RECOGNITION (FR)



AI Processing Software installed in a Local PC or Workstation; processed data gets stored in the Cloud/Central server

Software in the PC/Workstation integrates with the CCTV camera setup (DVR/NVR/IP Cameras)

Scalable architecture:  
Additional gates/cameras can be added to the existing solution based on the processing capacity of the Edge PC. Edge PC can be upgraded or additional PCs can be added to support many more cameras. Additional locations can be added with new Edge Agents connecting to the same central server.

# Requirements

## Infrastructure Requirements

A latest generation PC for the Edge Node (min 16 GB RAM and 1TB SSD, preferably a Linux workstation with a dedicated graphics card)

In and Out CCTV cameras (preferably varifocal IP based cameras with min 4MP resolution), mounted at a closer distance and height from the vehicle/face position with clear visibility of the number plate/face

Lighting arrangement for night visibility

Vehicle speed control at the gate, for number plate capture with better accuracy

PC connected in the same network with the Cameras, preferably via LAN

Highspeed internet availability in the PC

# Quick Start: Agent Setup

## Edge AI Agent Node Setup

### Site Preparation

1. Arrange a suitable **Windows PC** with an **Intel Core i5/i7 12th Generation or newer processor** and a reliable internet connection.
2. Connect the PC to the **same network as the NVR/DVR**.
3. Verify **web access to the NVR/DVR** from the PC using its **IP address and login credentials**.
4. Install the **RustDesk remote access software** (<https://rustdesk.com>) and share the **access code/passcode** with the technical team.

### The following activities will be completed remotely

1. Install the **Edge AI Software** on the PC.
2. Configure the **camera URLs** in the Edge AI Software.
3. Verify the **data flow** to the **Cloud-based Dashboard and Mobile App**.

# **Smart-Access Feature Summary**

**Face Recognition**

**Alcohol Detection**

**Employee & Visitor Management**

**Vehicle Parking & Access Management**

**Safety Training Module**

**Gate Integration & Access Control**

**Upgradation to Advanced AI Monitoring**

**(by connecting additional CCTV cameras)**