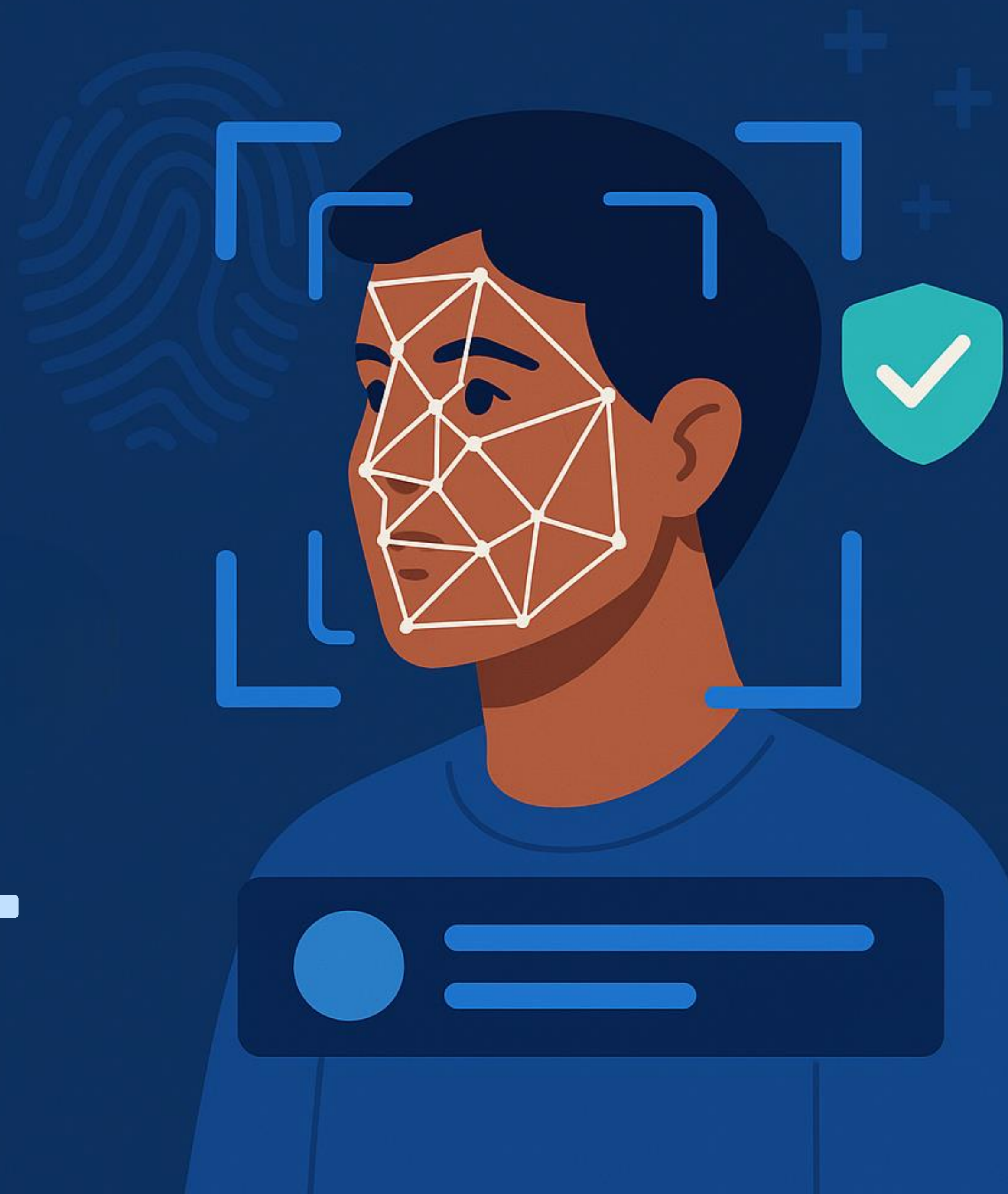
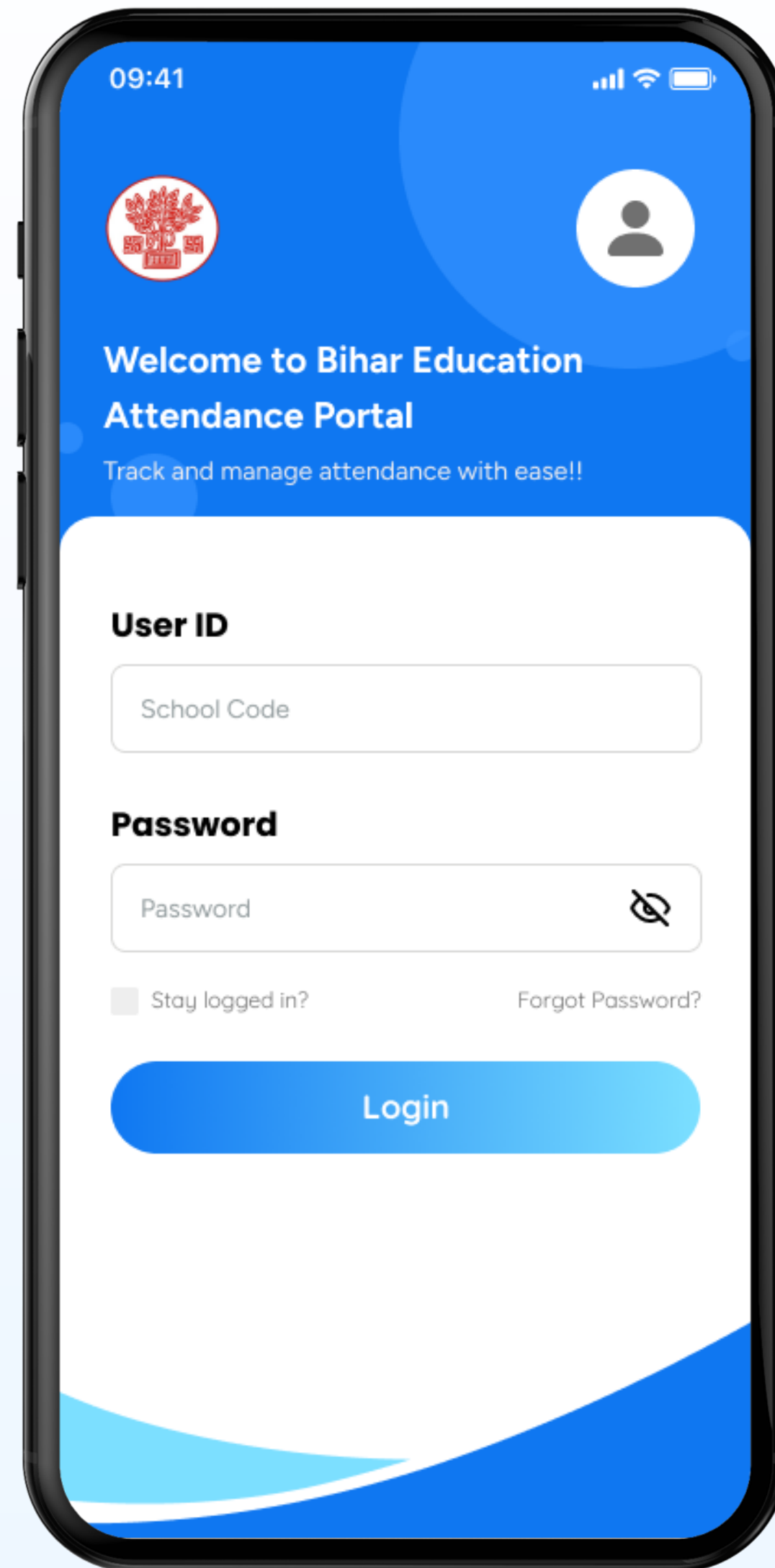




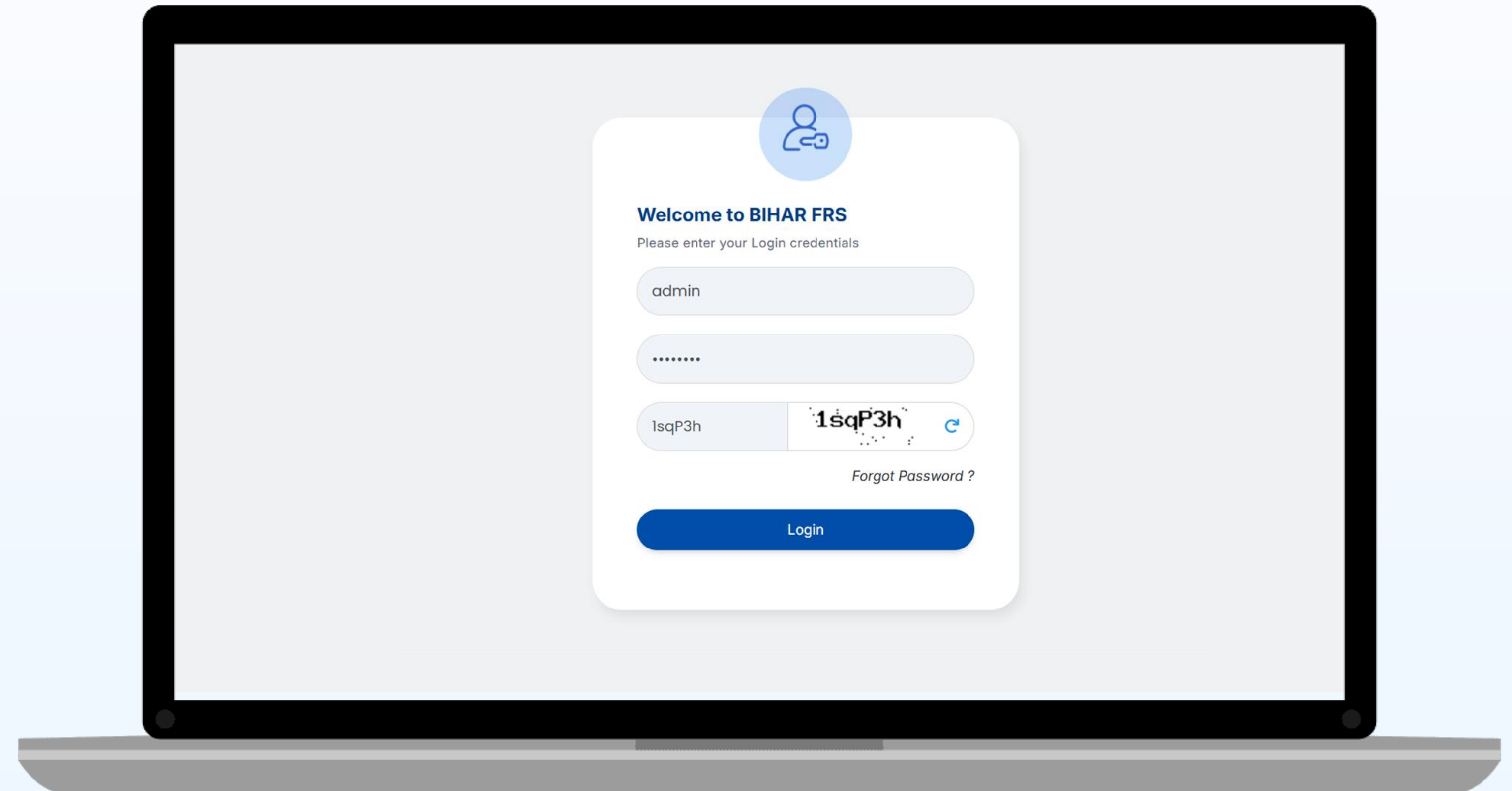
# AI Based Face Recognition Attendance System

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**Mobile Application**



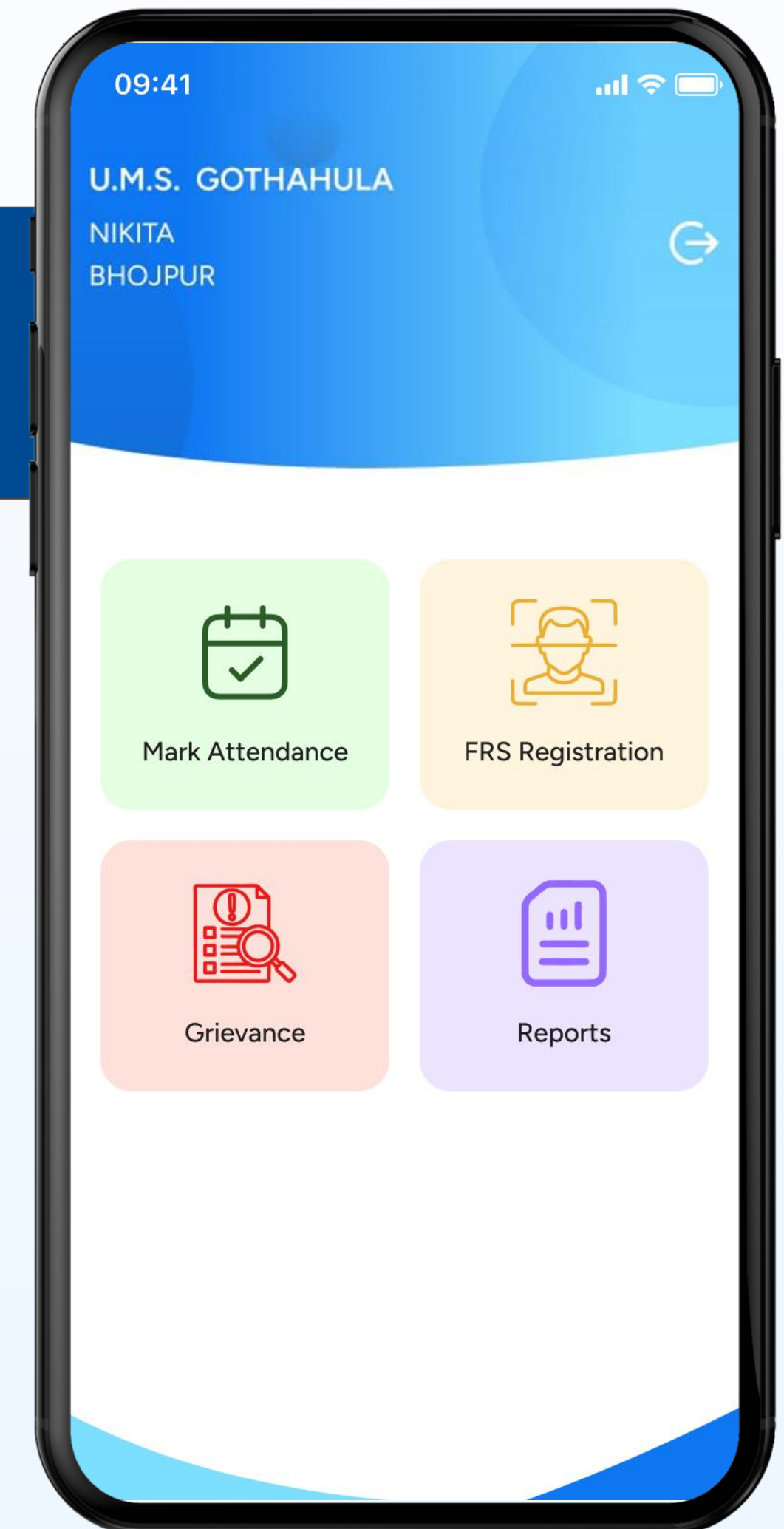
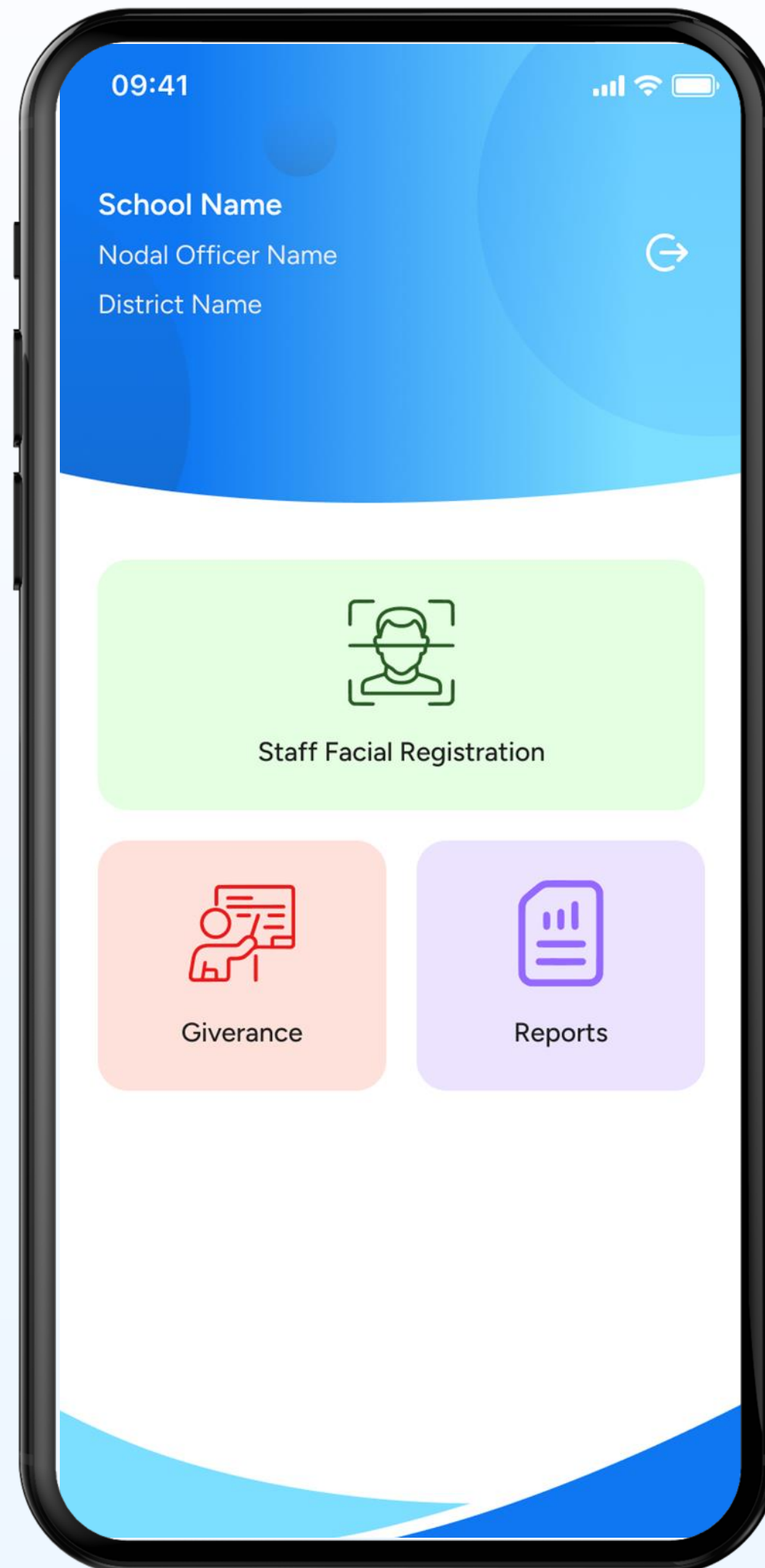
**Web Dashboard**

# Modules based on roles in Mobile Application



## Staff (or) Teacher Login

## Nodal Officer Login





# 1. Login



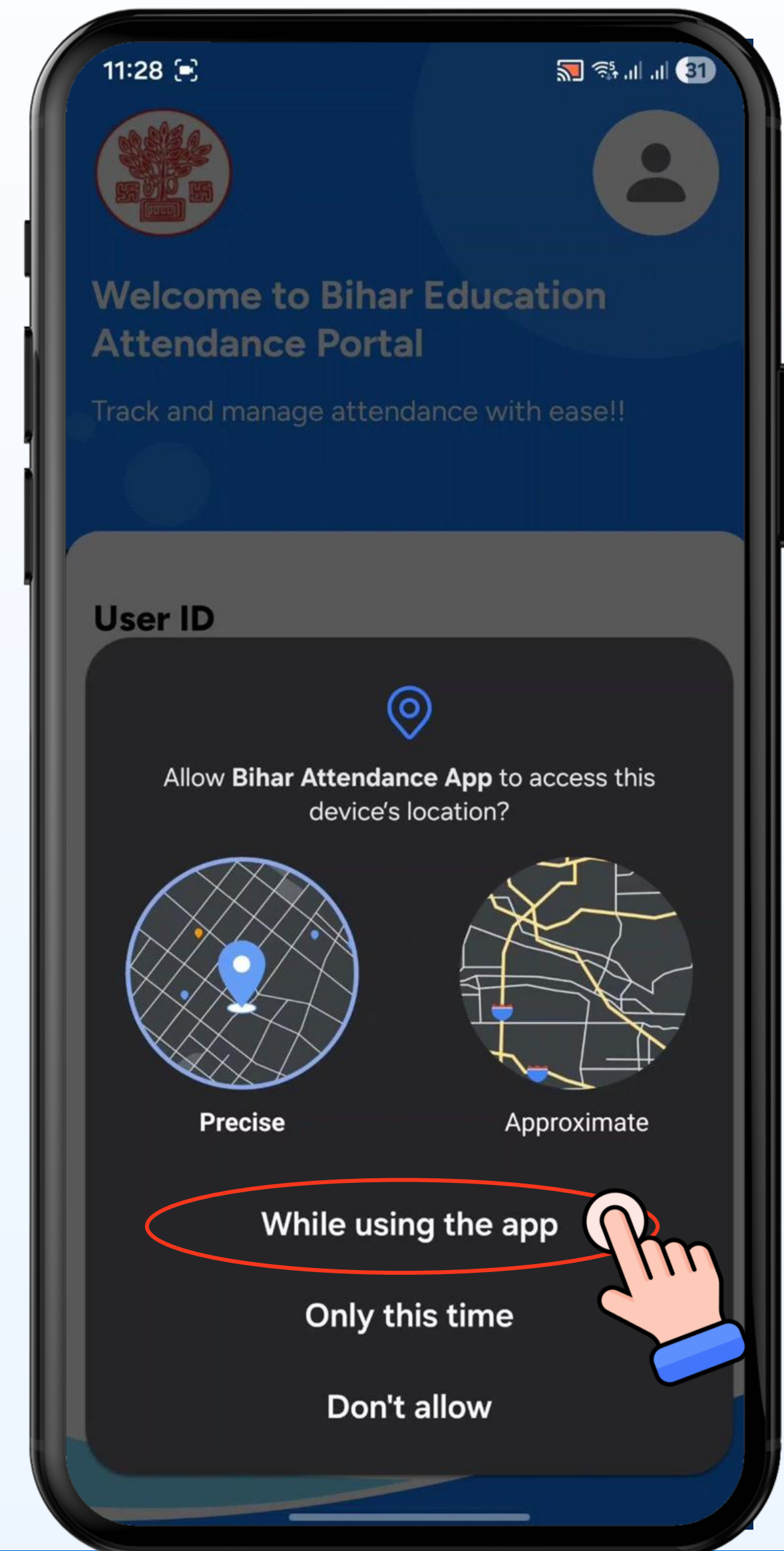
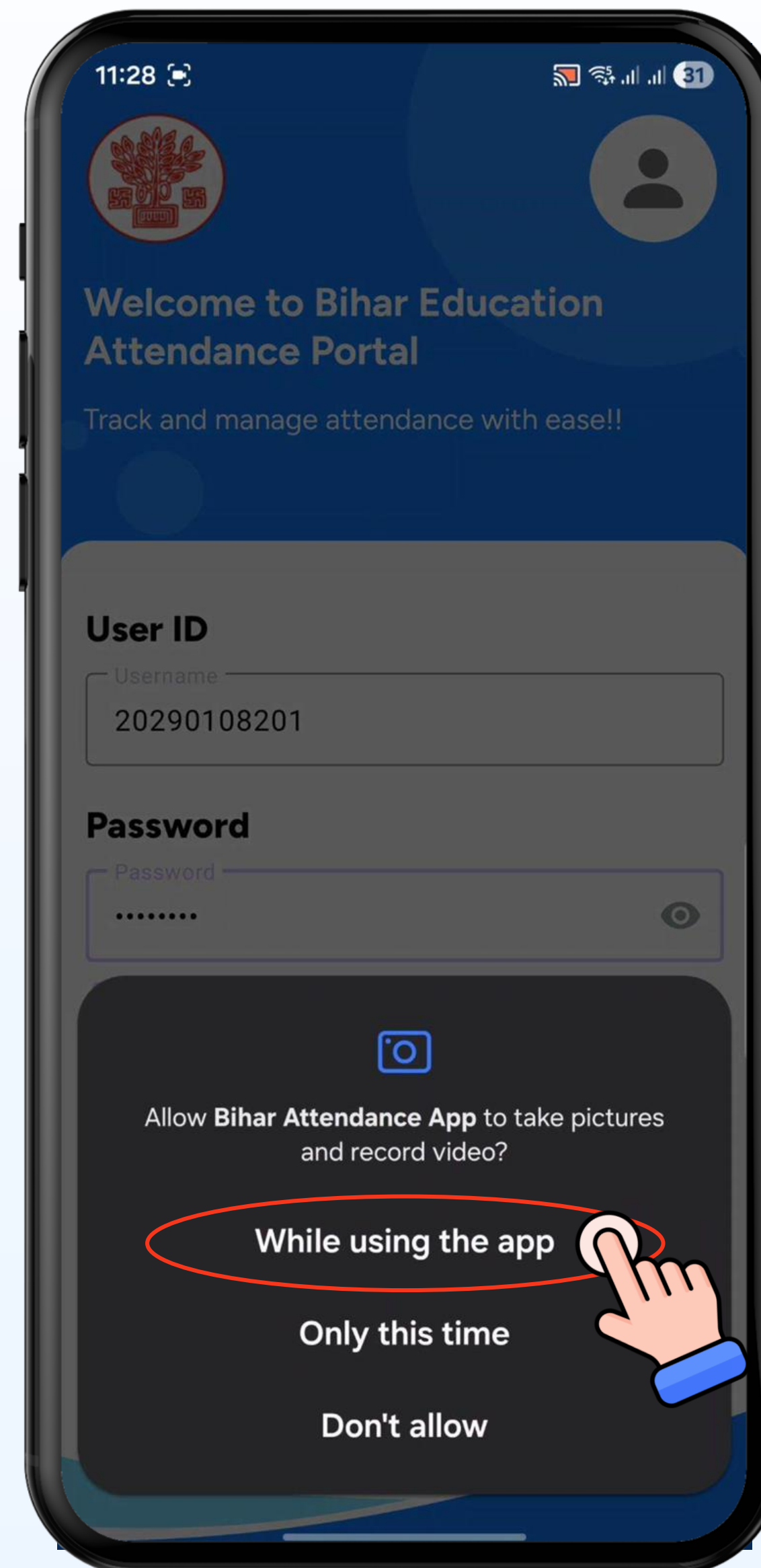
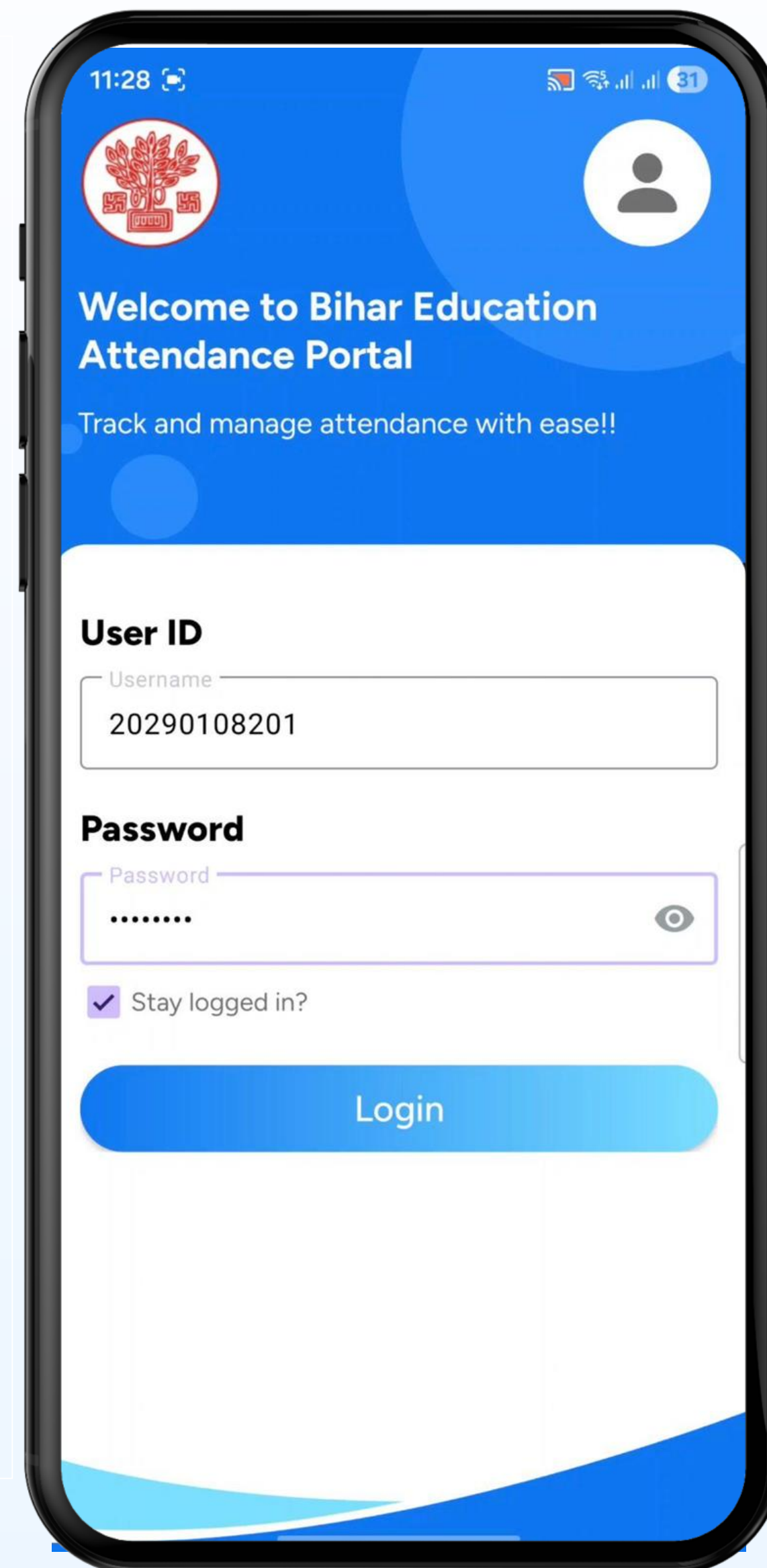
## Nodal Officer Login

1. Staff Registration
2. Grievance
3. Reports

## Staff Login

1. Staff Attendance
2. Student Registration
3. Student Attendance
4. Grievance
5. Reports

- Enter the **User id** and **password**.
- Click on the **Login** button.
- Allow **camera** and **location** permissions to the app as shown in the images.





# 1. Login

- After giving the permissions the app will ask the user to **click** on the **login** button as shown in the side images.
- User will be navigated to the home screen.

Note : Internet is mandatory for login

## 1. Nodal Officer Login

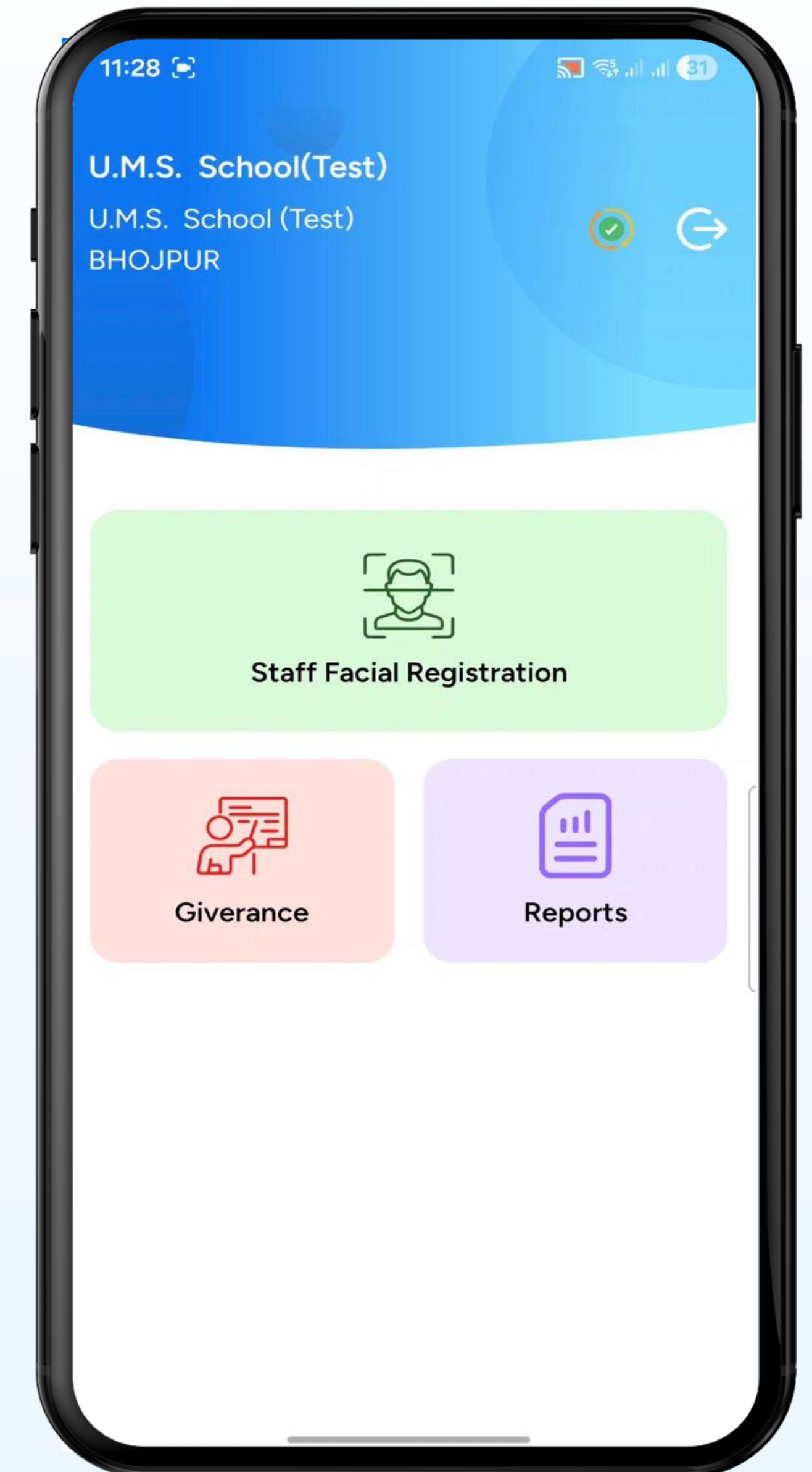
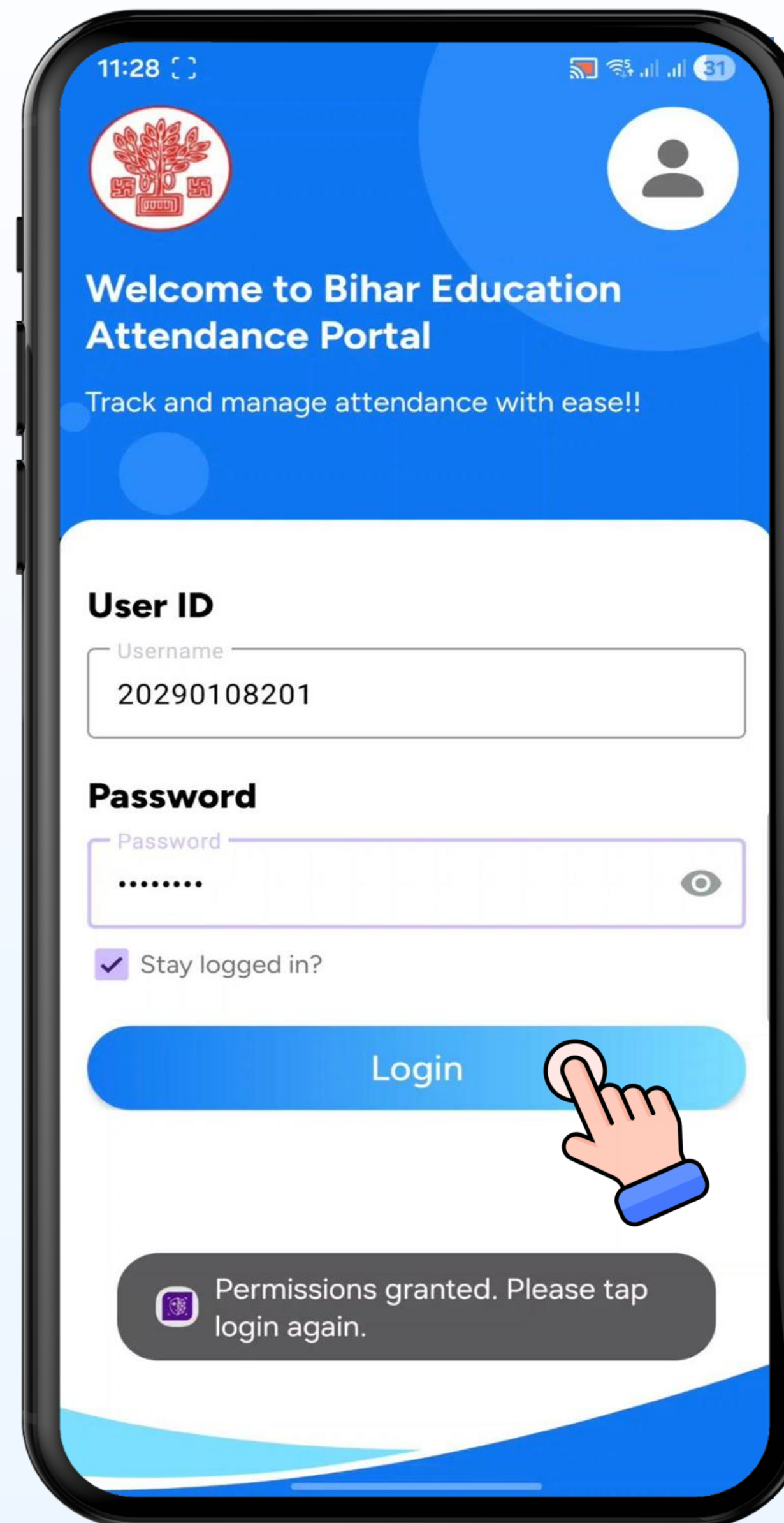
**username: School UDISE Code**

**Password:**

## 1. Staff Login

**username: Teacher code**

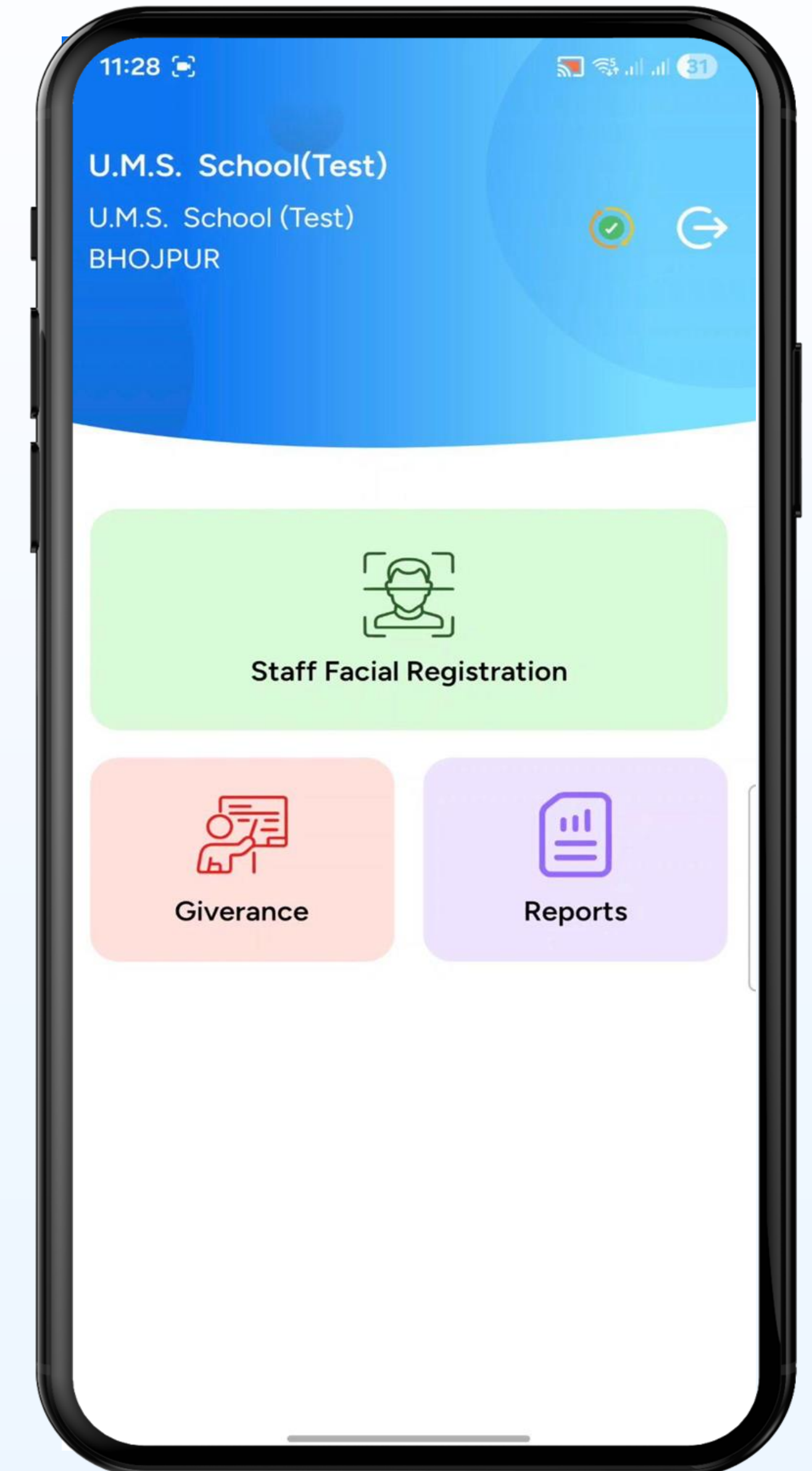
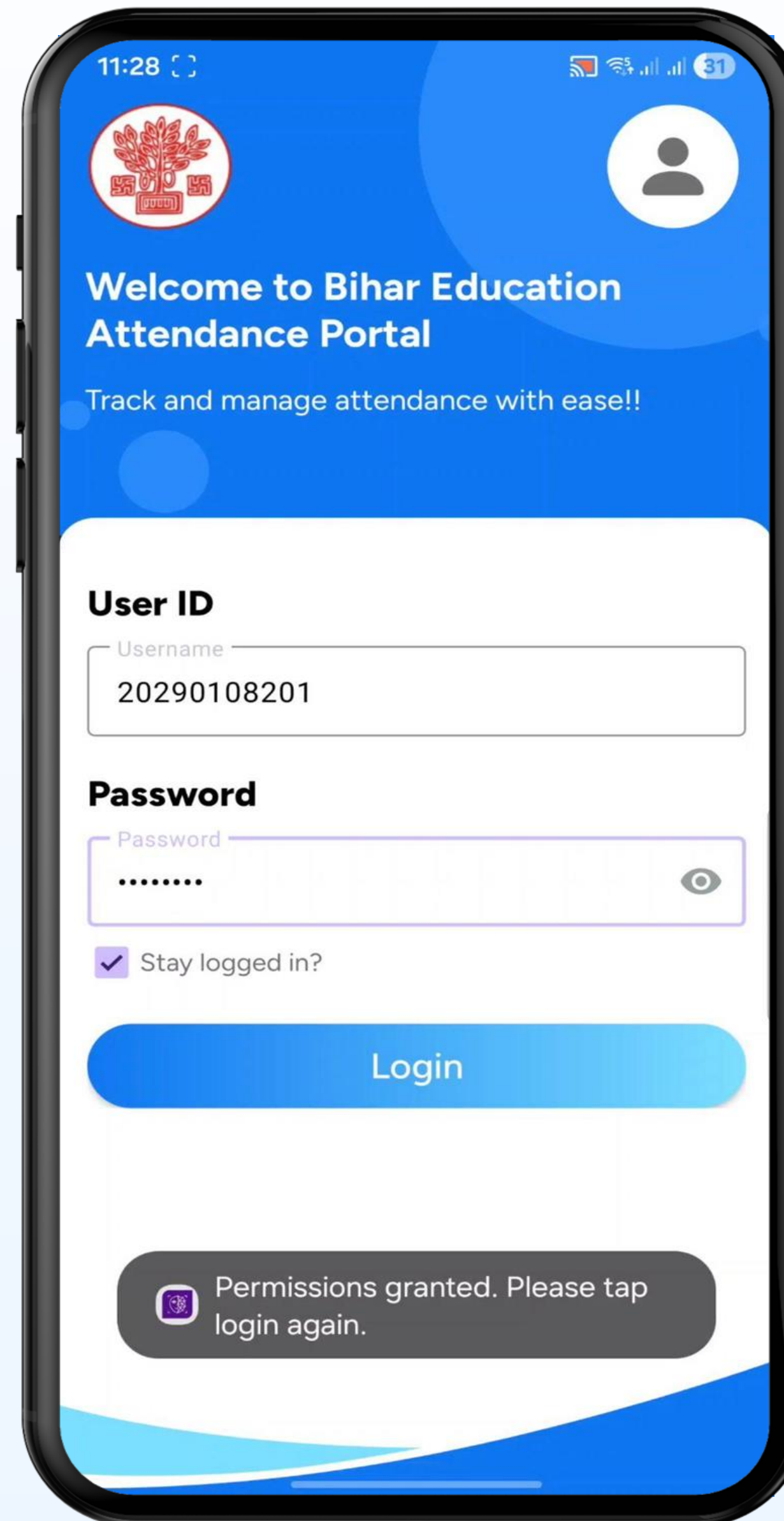
**Password:**



## **2. STAFF REGISTRATION**

## 2. Staff Registration

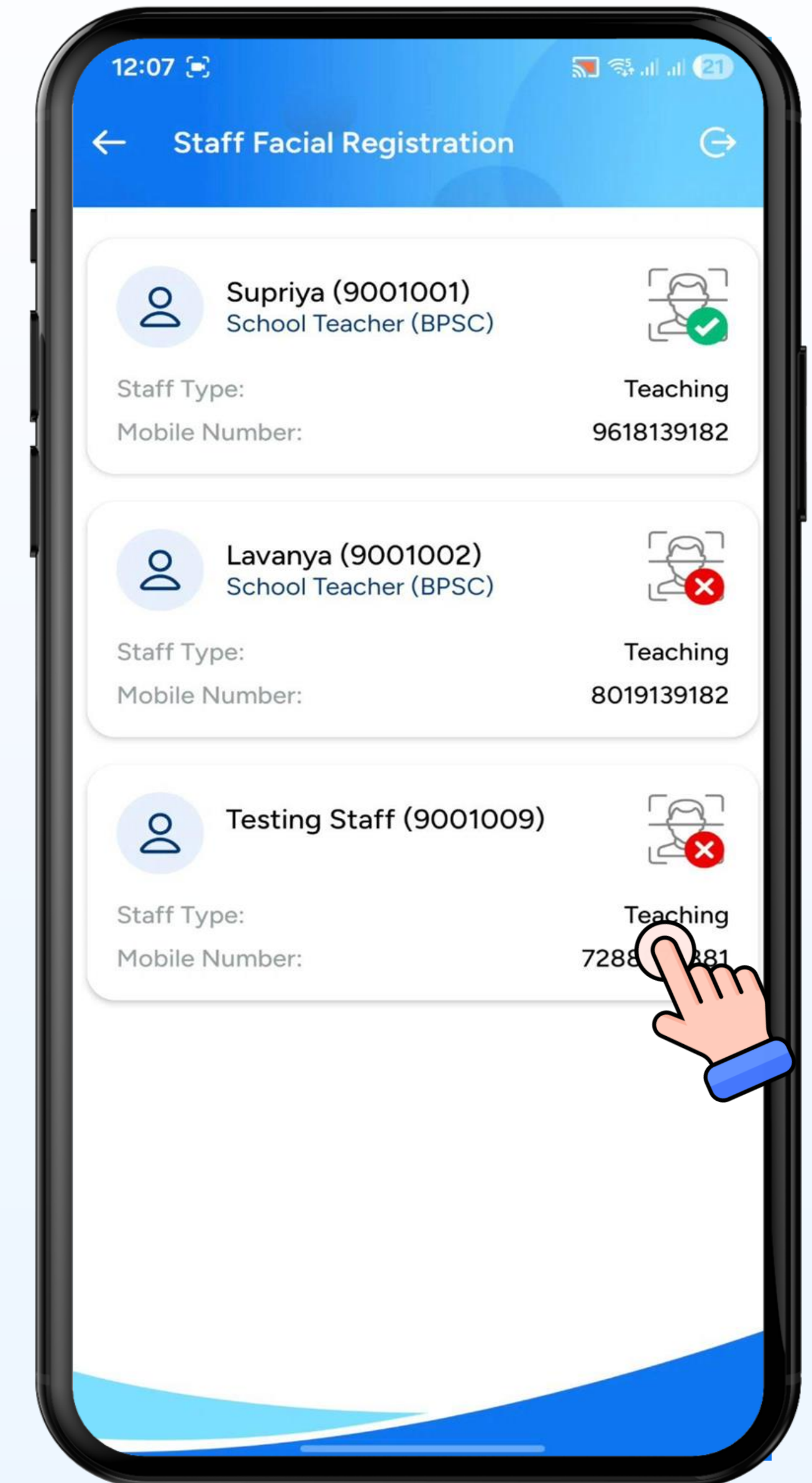
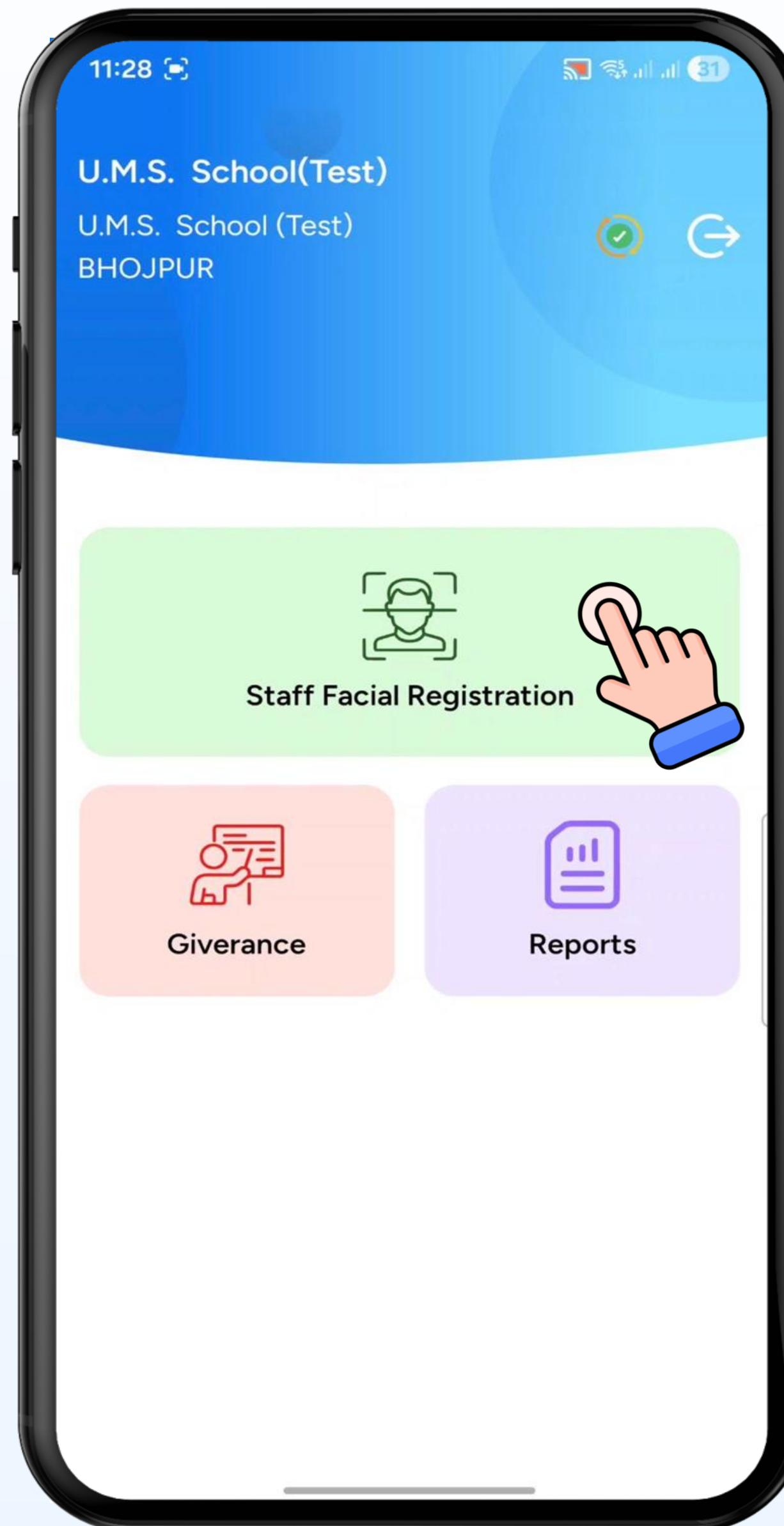
- Use **Nodal officer login** to capture and register the facial data of all staff members.
- This is a **one-time process** for each staff member.
- User will be navigated to the **home screen**.
- In the Home screen there are 3 options.
  1. Staff Facial Registration
  2. Grievance
  3. Reports





## 2. Staff Registration

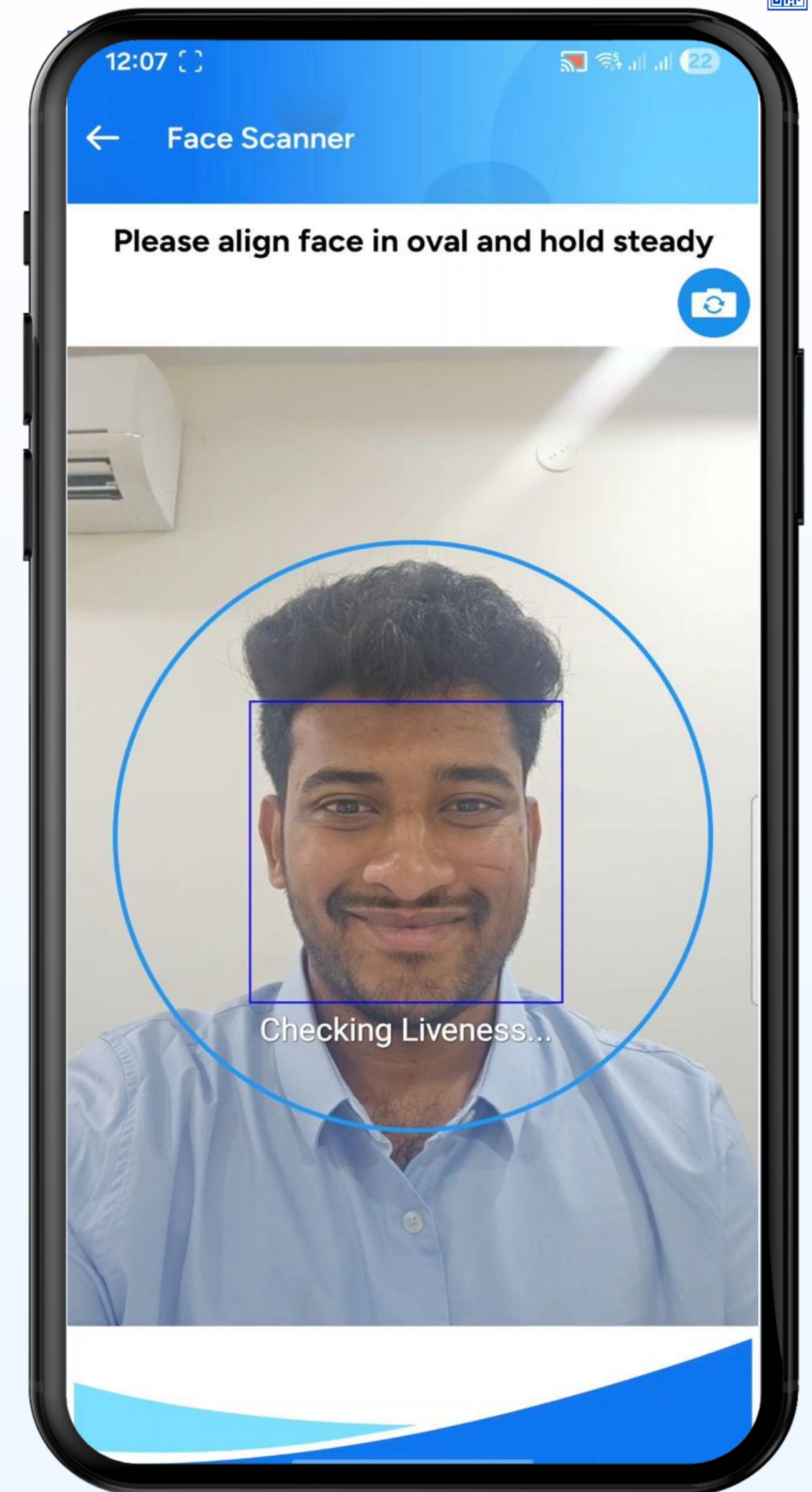
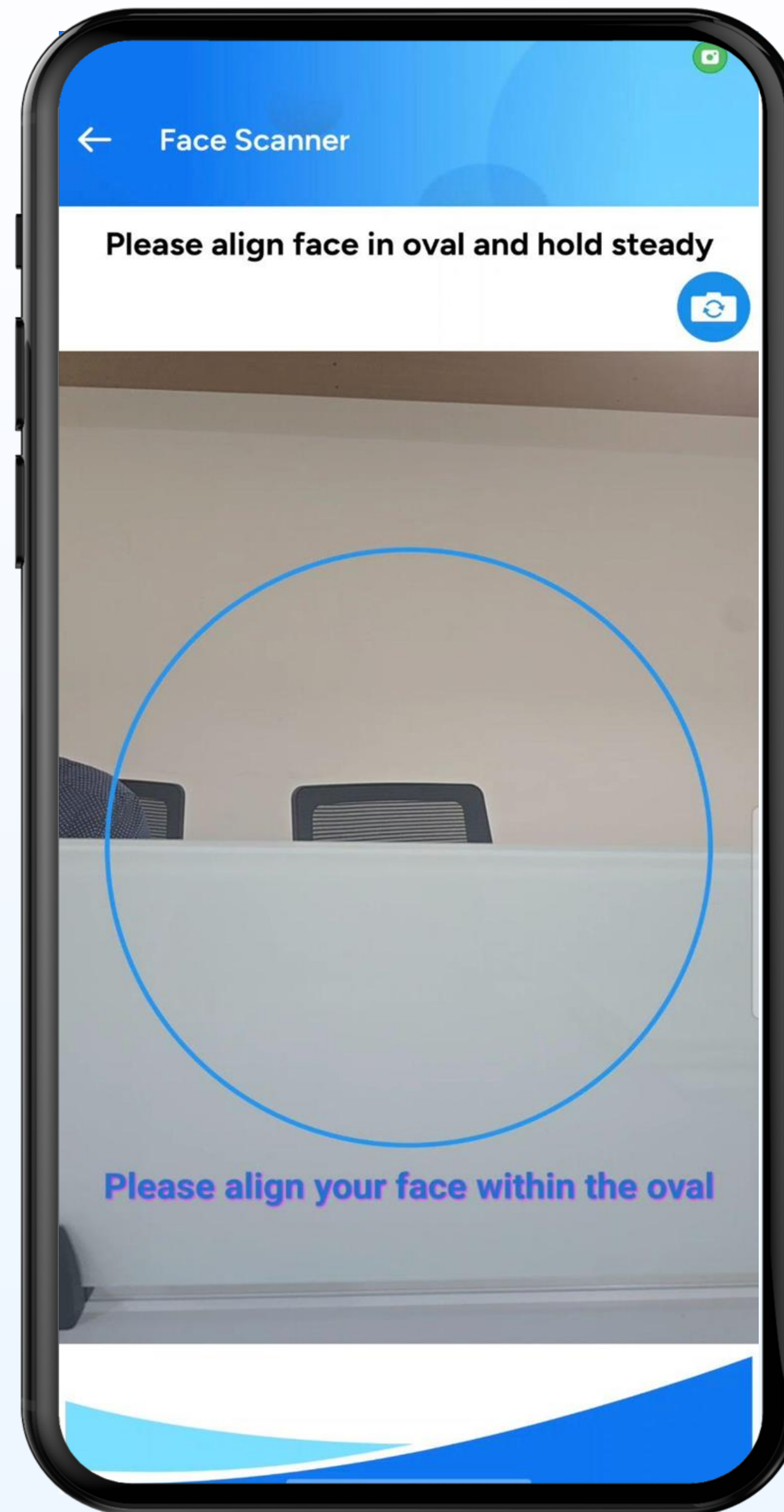
- From the Home Screen, tap on **Staff Facial Registration** user will be navigated to **the Staff List screen** as shown in the image.
- **Identify Staff for Registration:** You will see a list of all staff members. Pay close attention to the icon on the right.
- **Face Registered (Green Icon):** This staff member's data has been captured. No action is needed.
- **Face Not Registered (Red Icon):** This staff member needs to be registered.
- **Begin Facial Capture:** Find the staff member you wish to register and tap on the red "**Face Not Registered**" icon next to their name. The camera will open.





## 2. Staff Registration

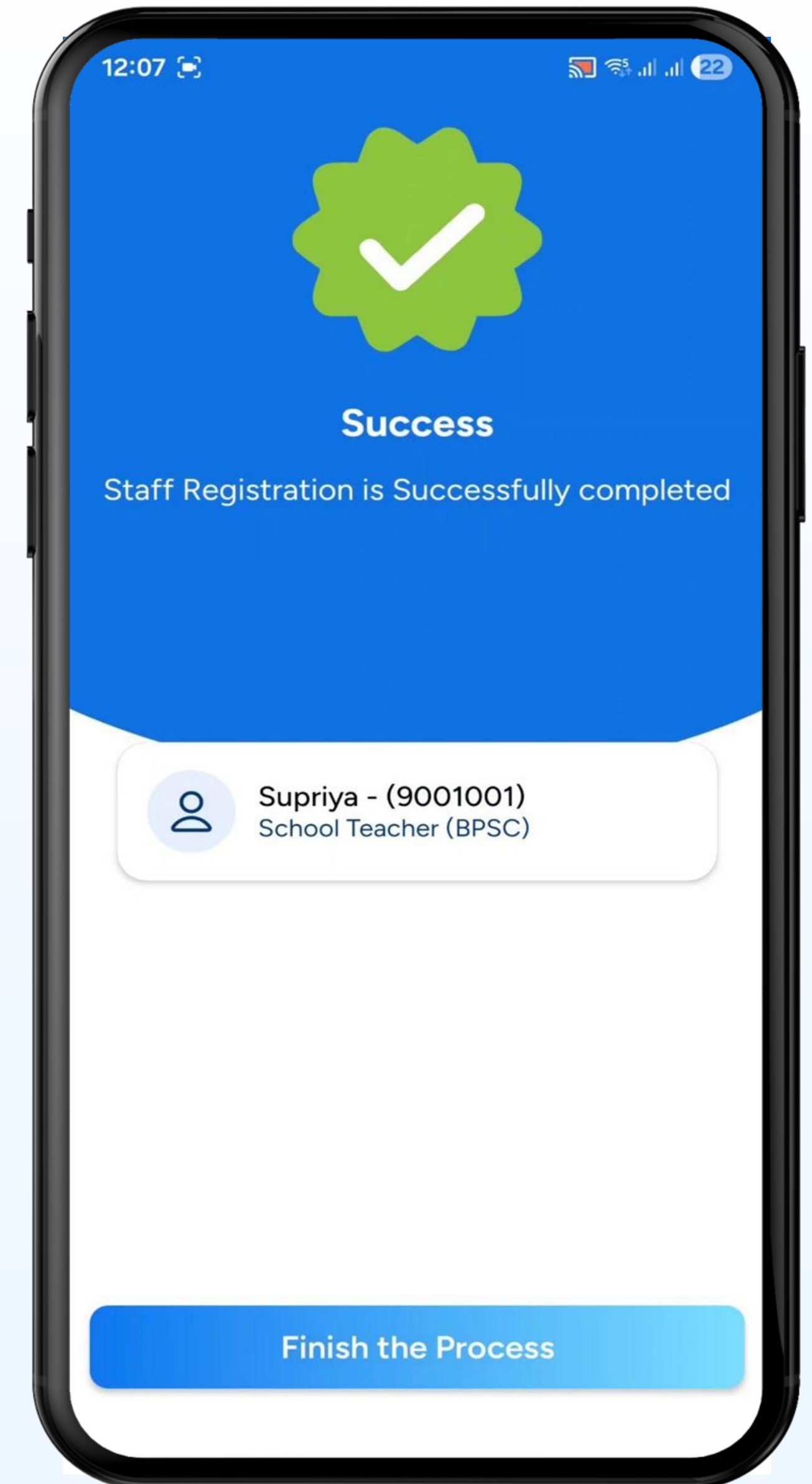
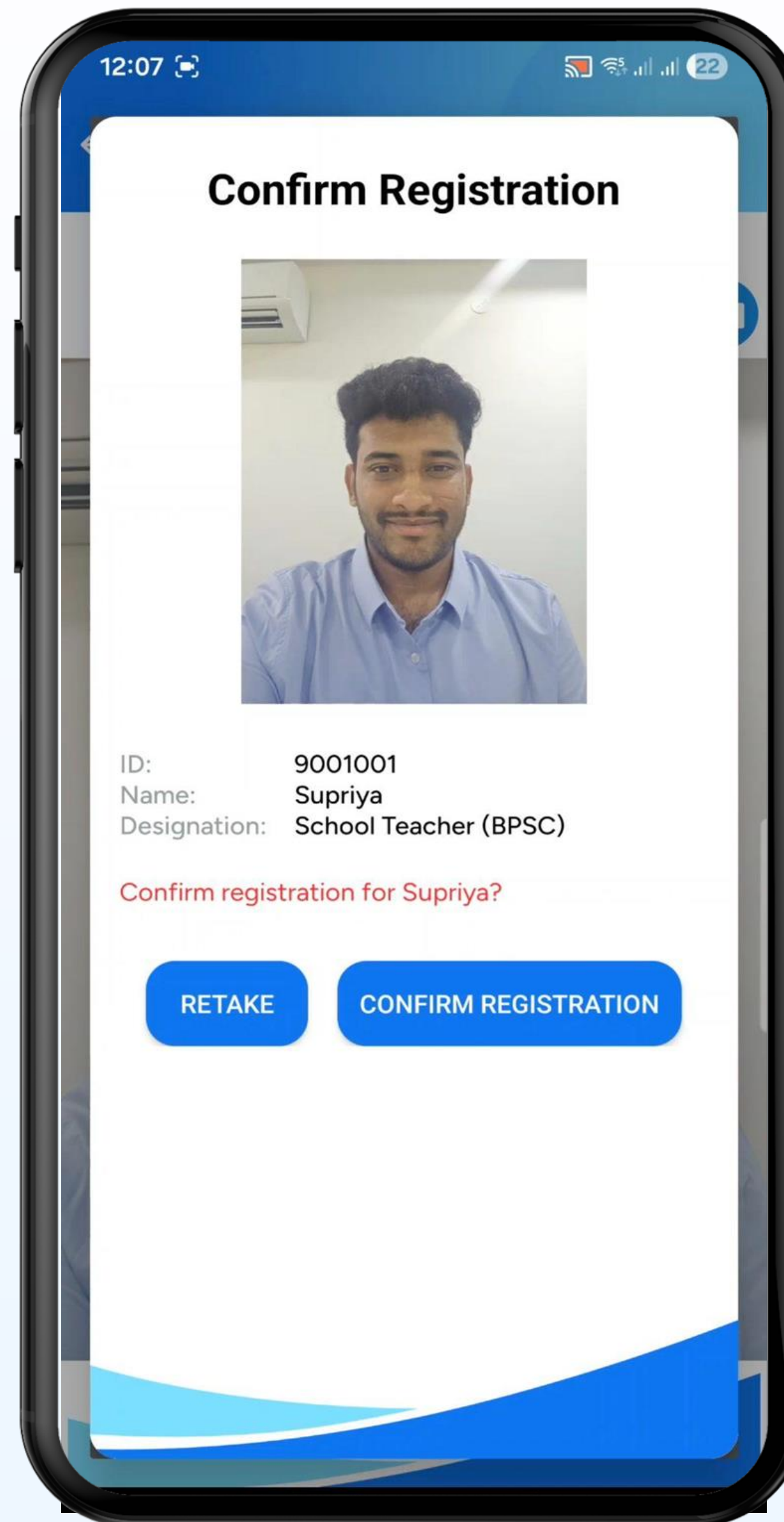
- **Enroll the Face:** Ask the staff member to position their face within the **circle**, staff member should **blink, Smile**). After completion of registration, a success message will appear.
- **Note :-** While Registering face mandatory things to follow for better attendance.
  1. Proper lighting conditions
  2. Background should be white
  2. Align face inside the circle.
  3. Staff member should smile and blink eyes during registration.





## 2. Staff Registration

- Click on **Confirm Registration** button.
- success message will appear as shown in the image.
- Click on the **Finish the Process** button.
- Staff Registration is Successfully completed

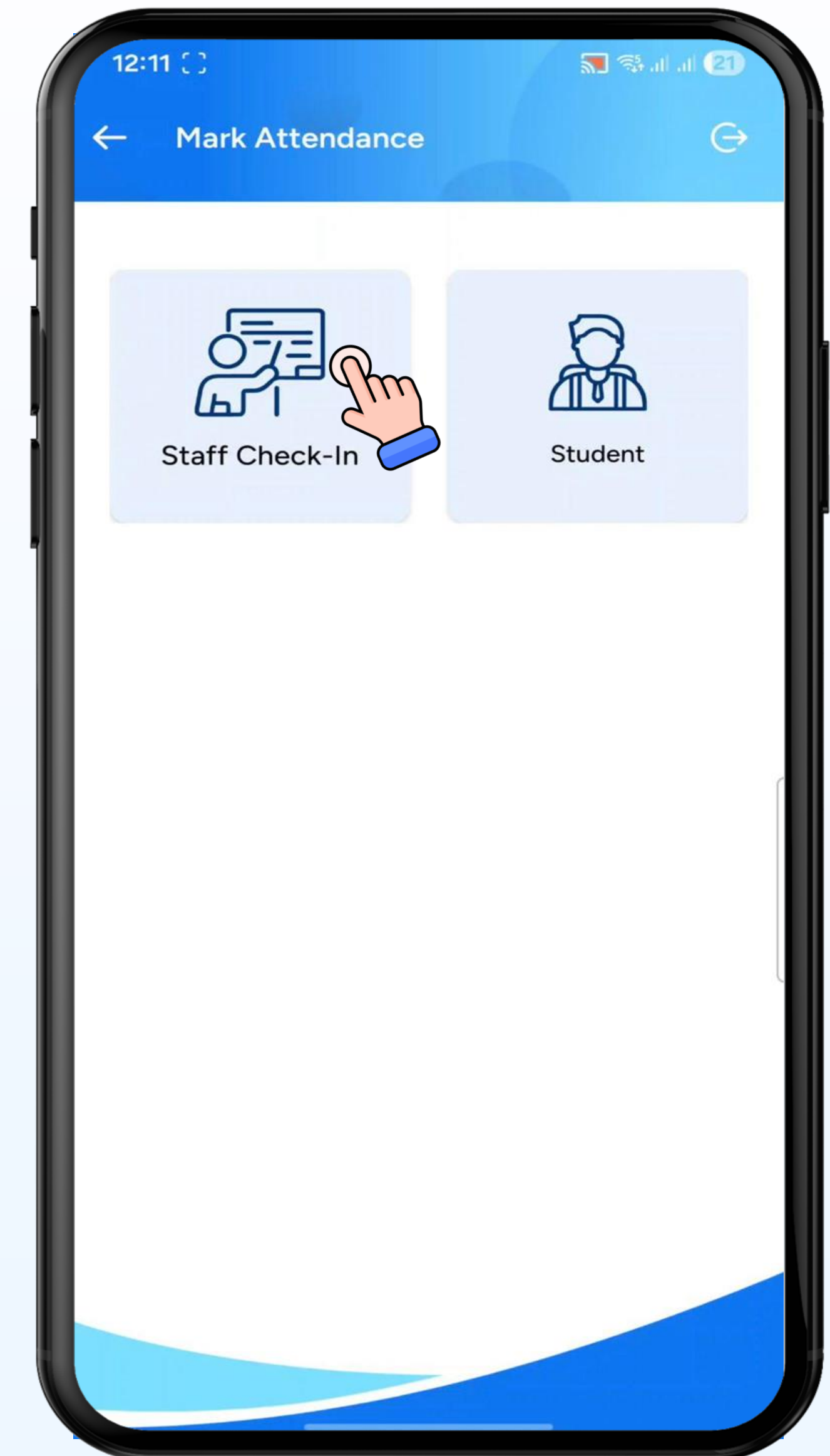
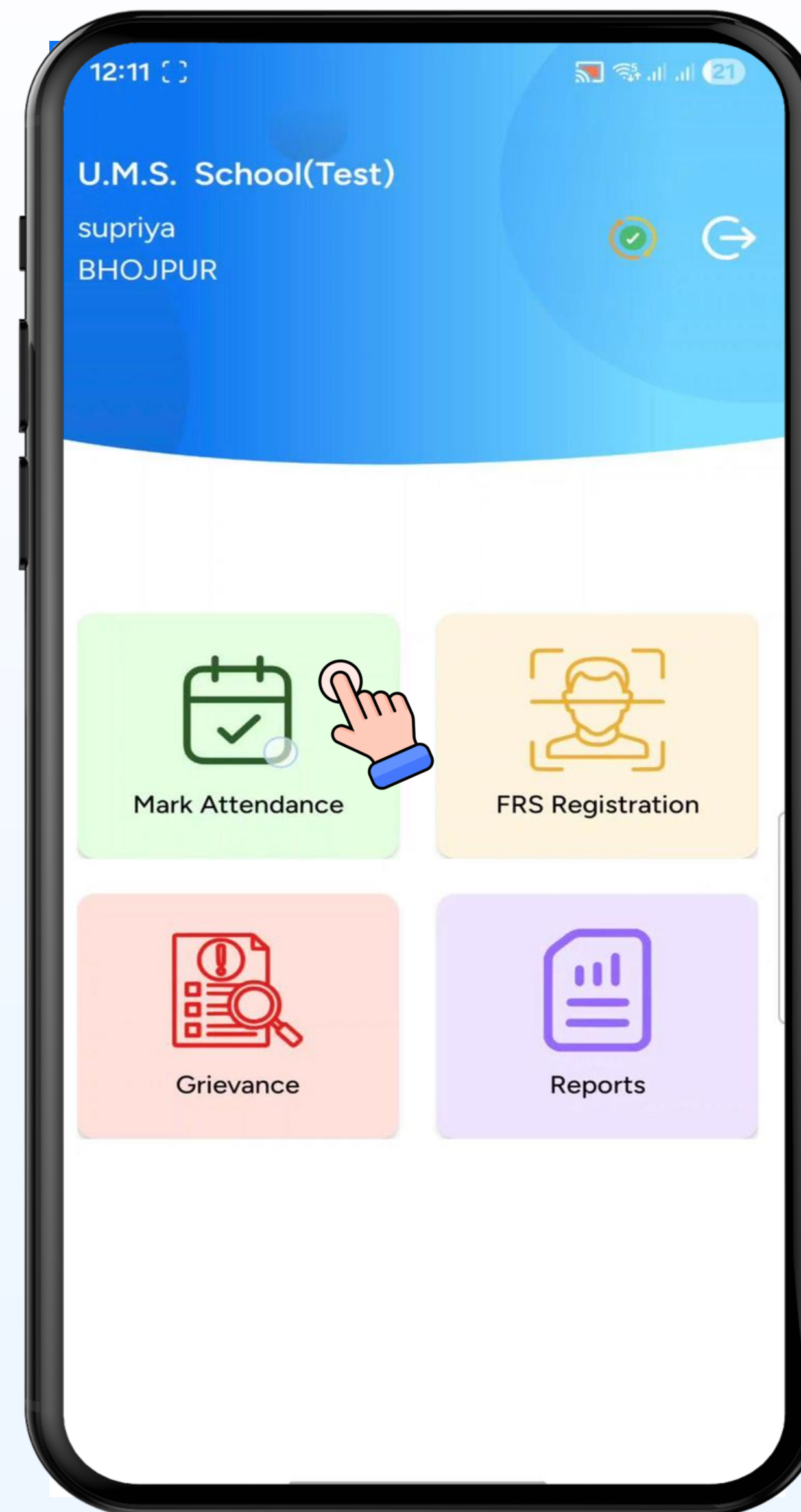




### **3. STAFF ATTENDANCE**

# 3. Staff Attendance

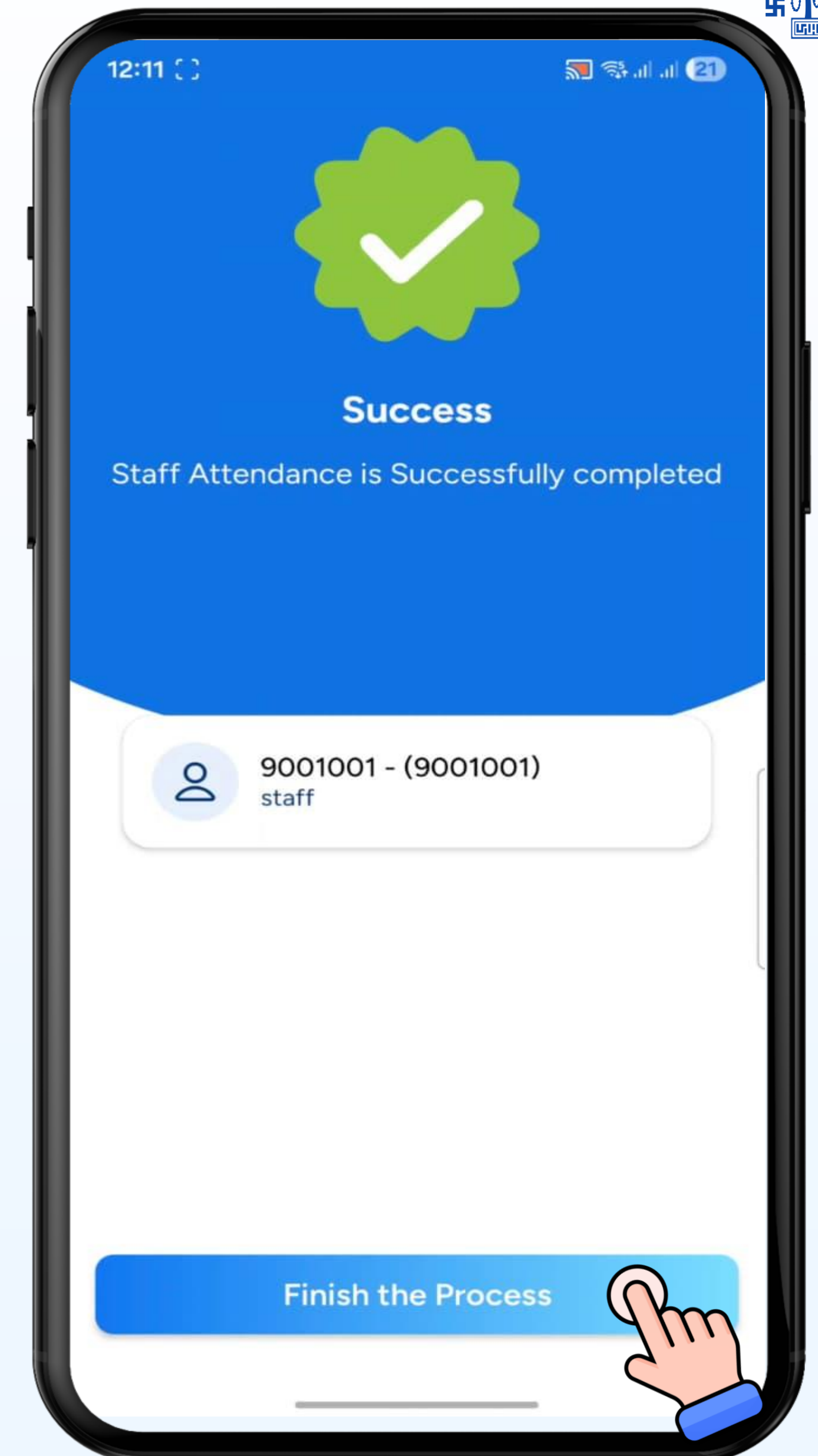
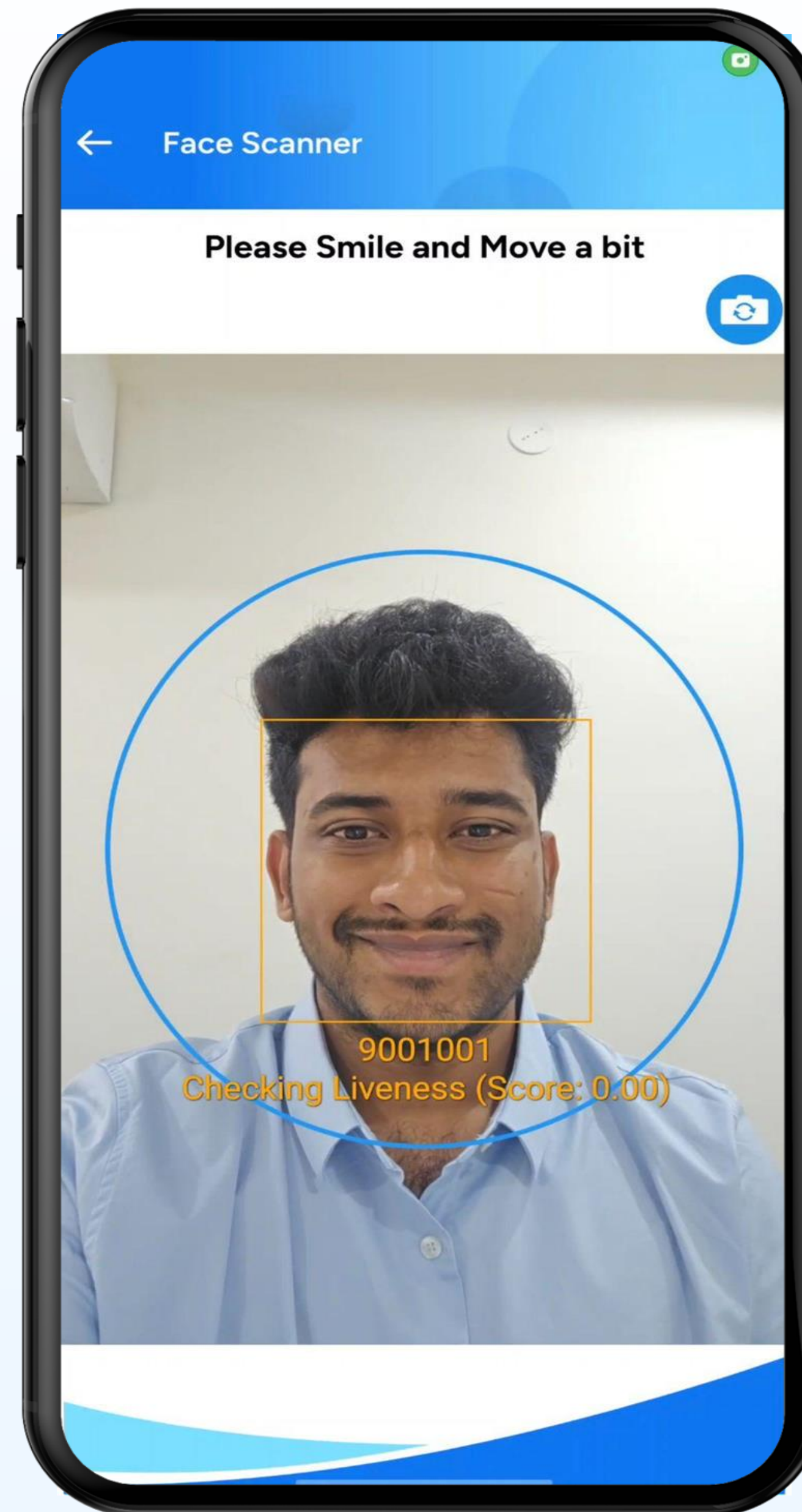
- Use **Staff login** to mark **staff attendance**.
- Enter **user id** and **password** of **staff** and click on **login button**.
- User will be navigated to home screen.
- From the Home Screen, tap on **Mark Attendance** user will be navigated screen as shown in the image.
- Choose **Staff Check-In** Attendance Type from the screen.





# 3. Staff Attendance

- **Marking Self-Attendance:** After tapping **Staff Check-In**, the front camera will open.
- Align your face in the circle.
- **Smile** and **Blink eyes** during marking attendance.
- Wait for the application to identify your face
- After identification success screen will be displayed as shown in the image.
- Click on **Finish the Process** button to complete the attendance

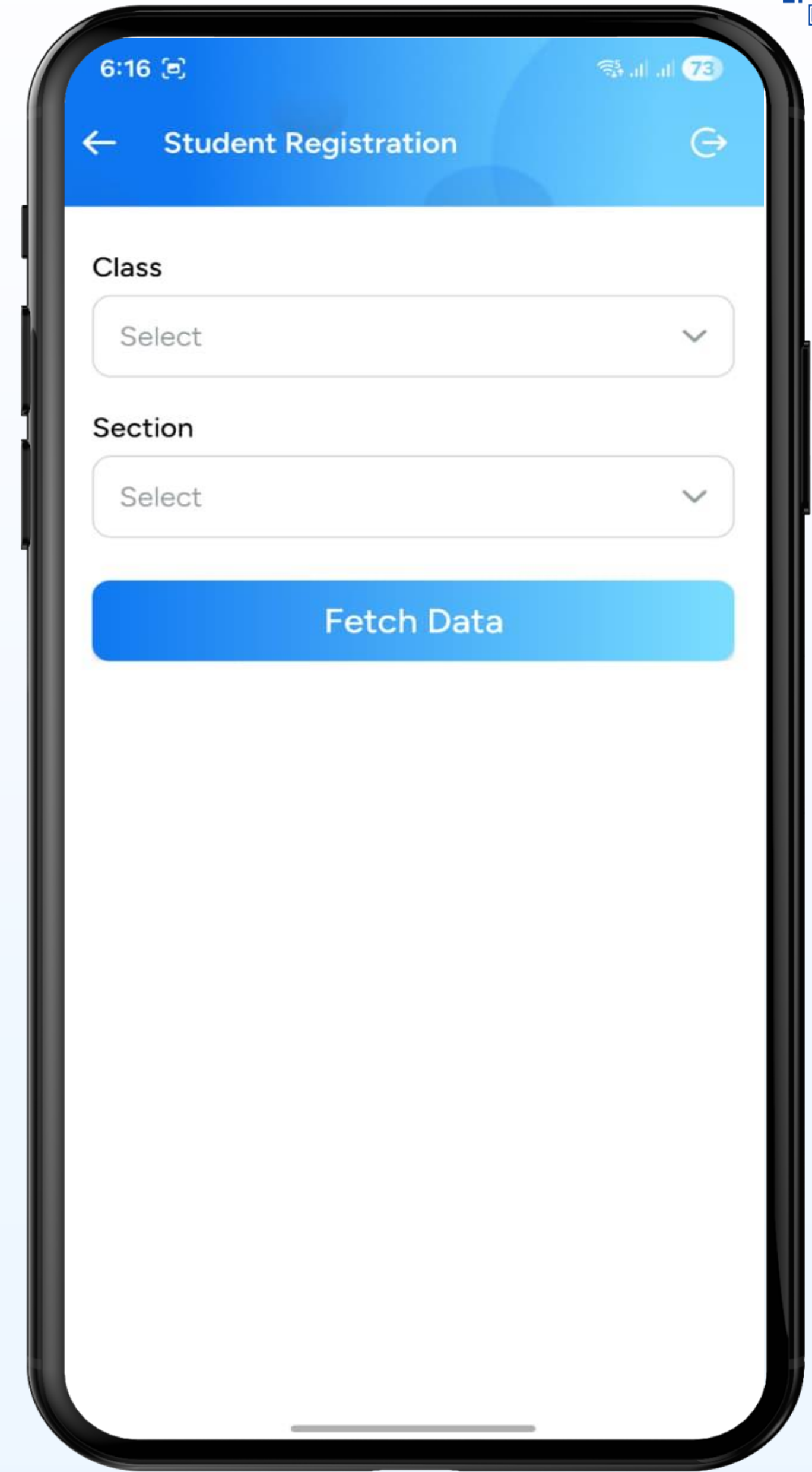
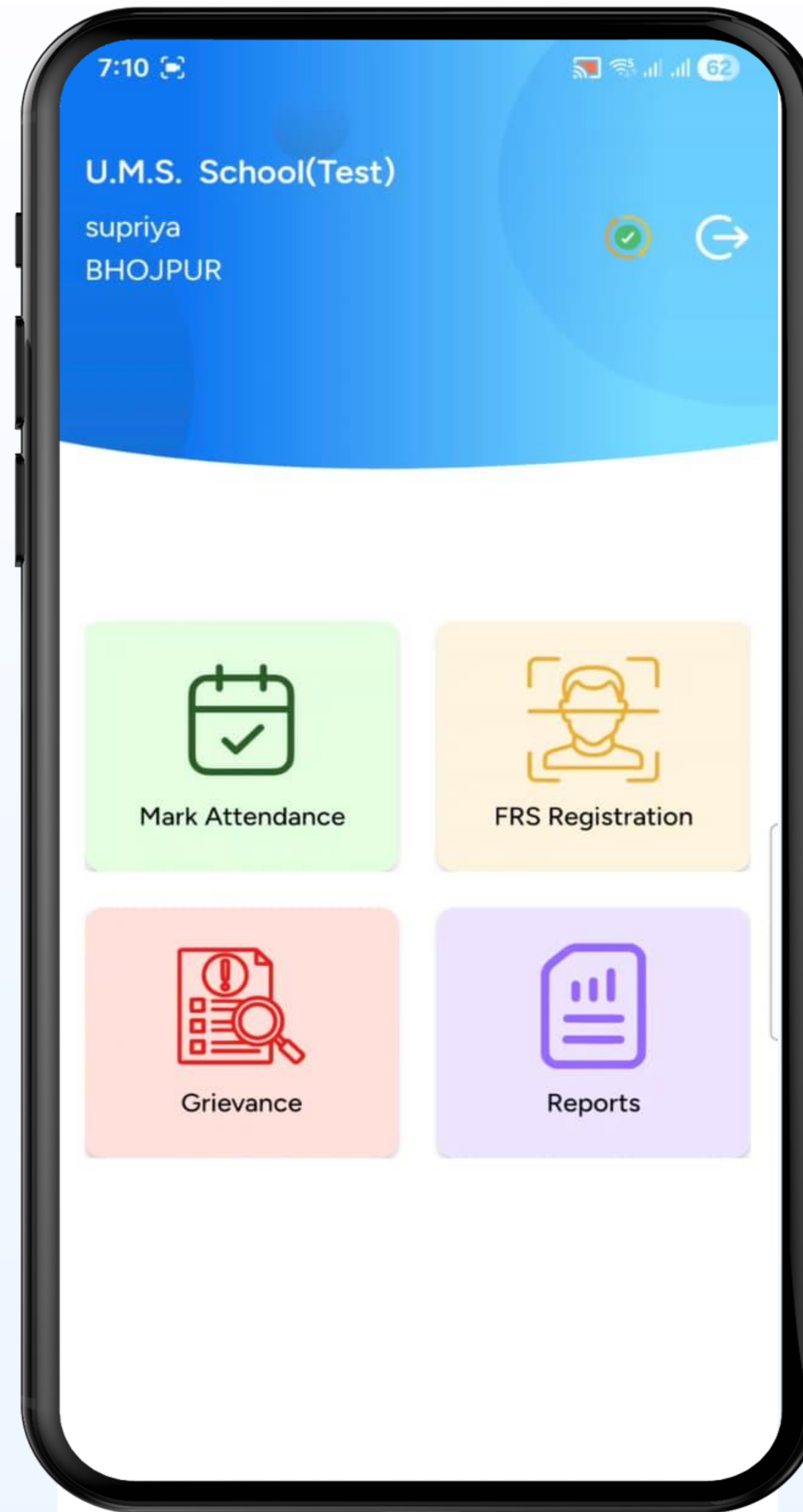


## **4. STUDENT REGISTRATION**



## 4. Student Registration

- Use **Staff login** to register students.
- This is a **one-time process** for each student.
- On the Home Screen, tap **FRS Registration**. User will be navigated to the screen as shown in the image.
- 4. Select the **Class** and **Section** and tap **Fetch Data**.



## 4.Student Registration

- List of students will be displayed.
- Here total Number of Registered Students and yet to register (pending) will be displayed.(**For example** in the image **Registered : 3/11** is shown. which means out of **3 students registered** and **total count of students in that section is 11**).
- **Identify Student for Registration:** You will see a list of all students. Pay close attention to the icon on the right.
- **Green Tick:** Student registration completed.
- **Red Cross:** Student needs to be registered.

6:15 73

← Student Registration →

Class

Class 1

Section

Section A

Fetch Data

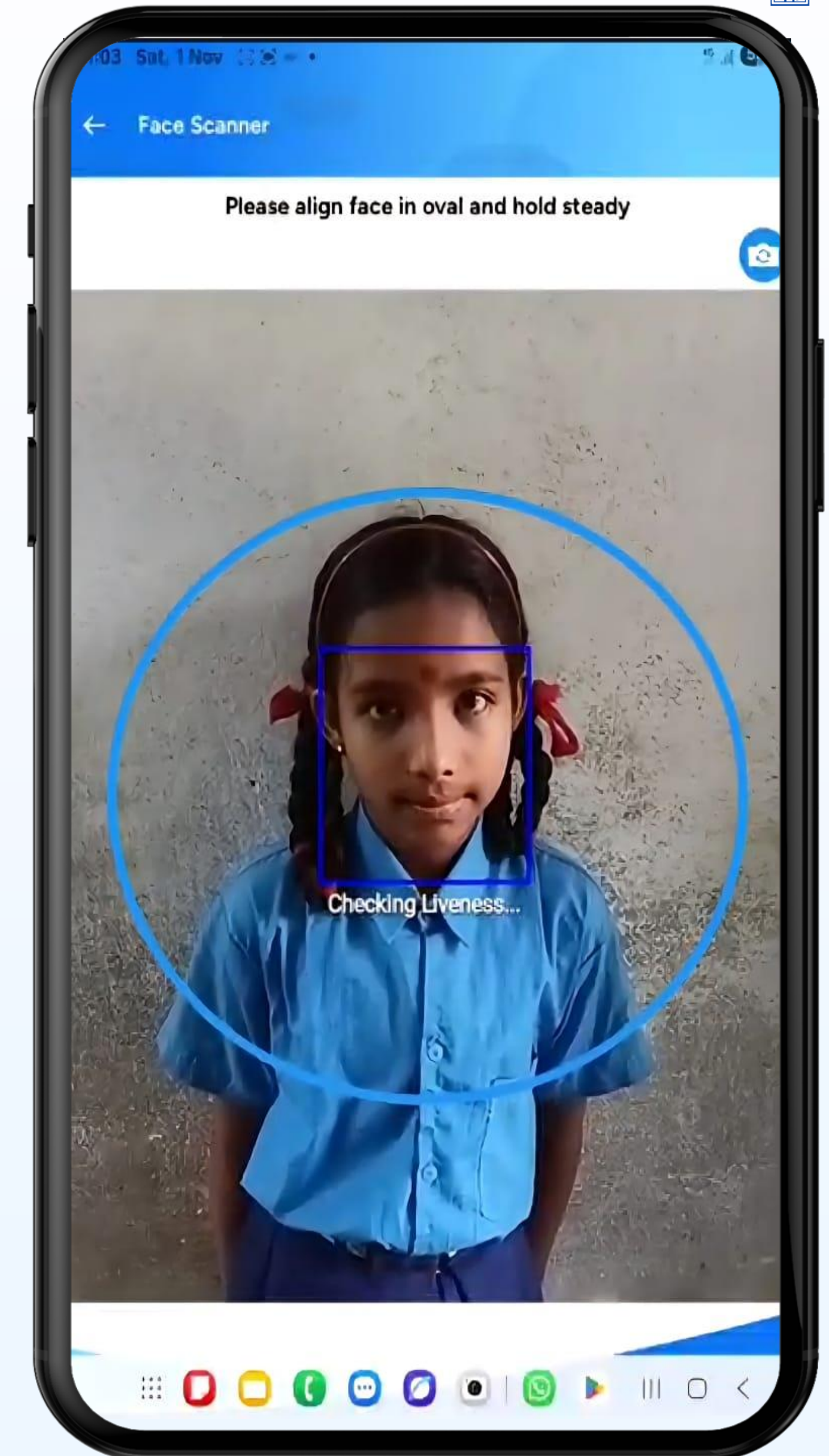
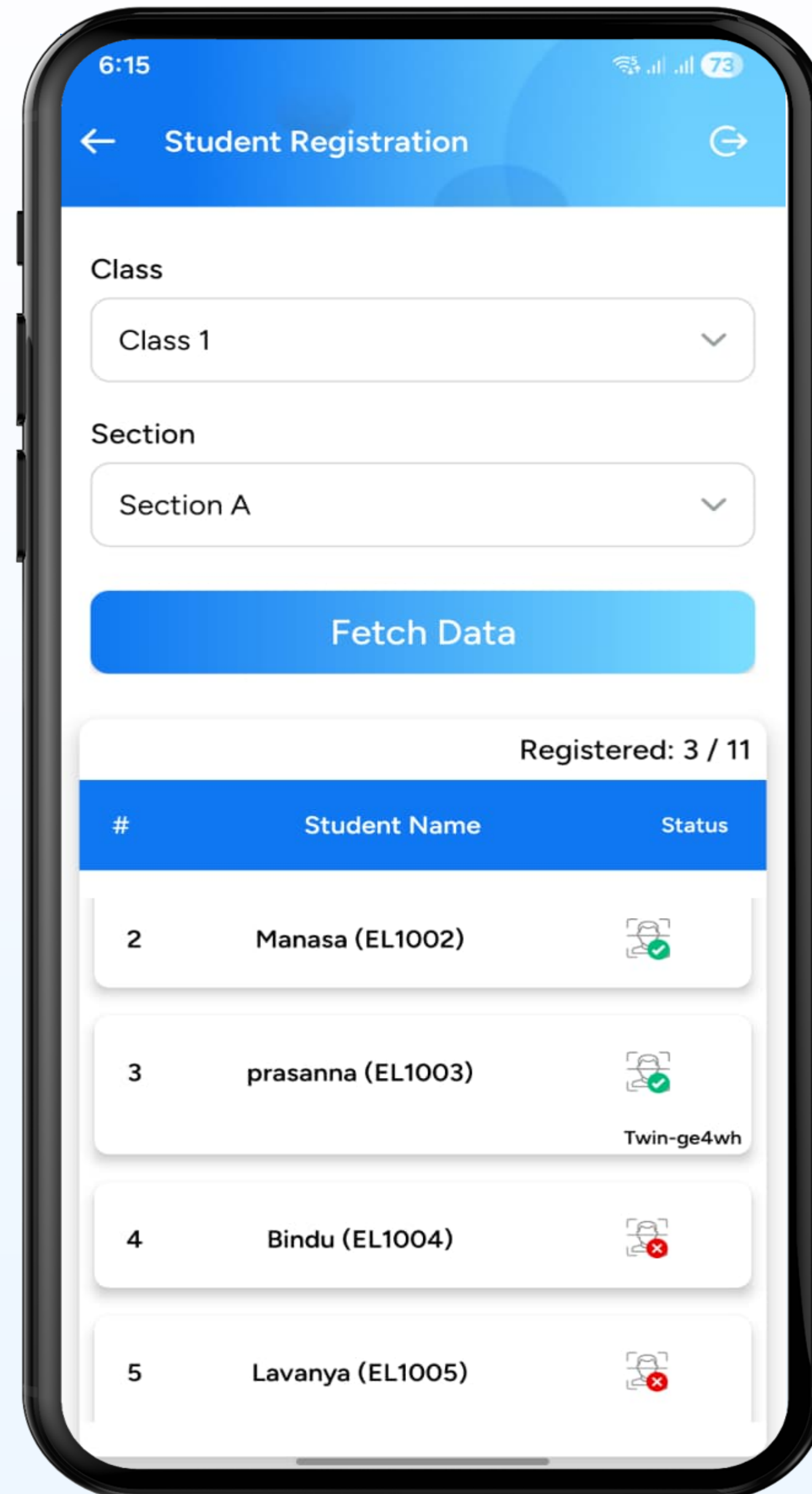
Registered: 3 / 11

| # | Student Name      | Status         |
|---|-------------------|----------------|
| 2 | Manasa (EL1002)   |                |
| 3 | prasanna (EL1003) | <br>Twin-ge4wh |
| 4 | Bindu (EL1004)    |                |
| 5 | Lavanya (EL1005)  |                |



## 4. Student Registration

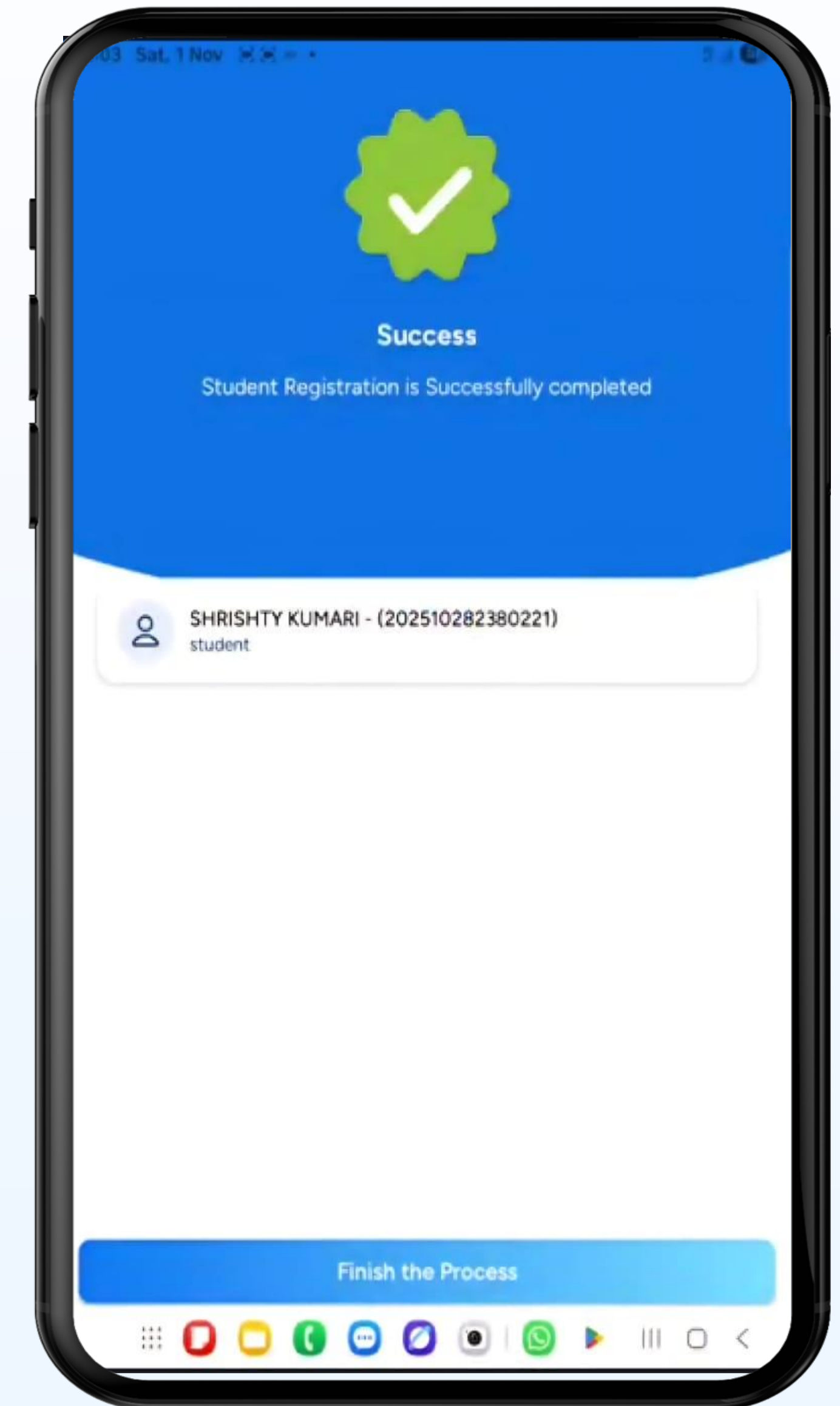
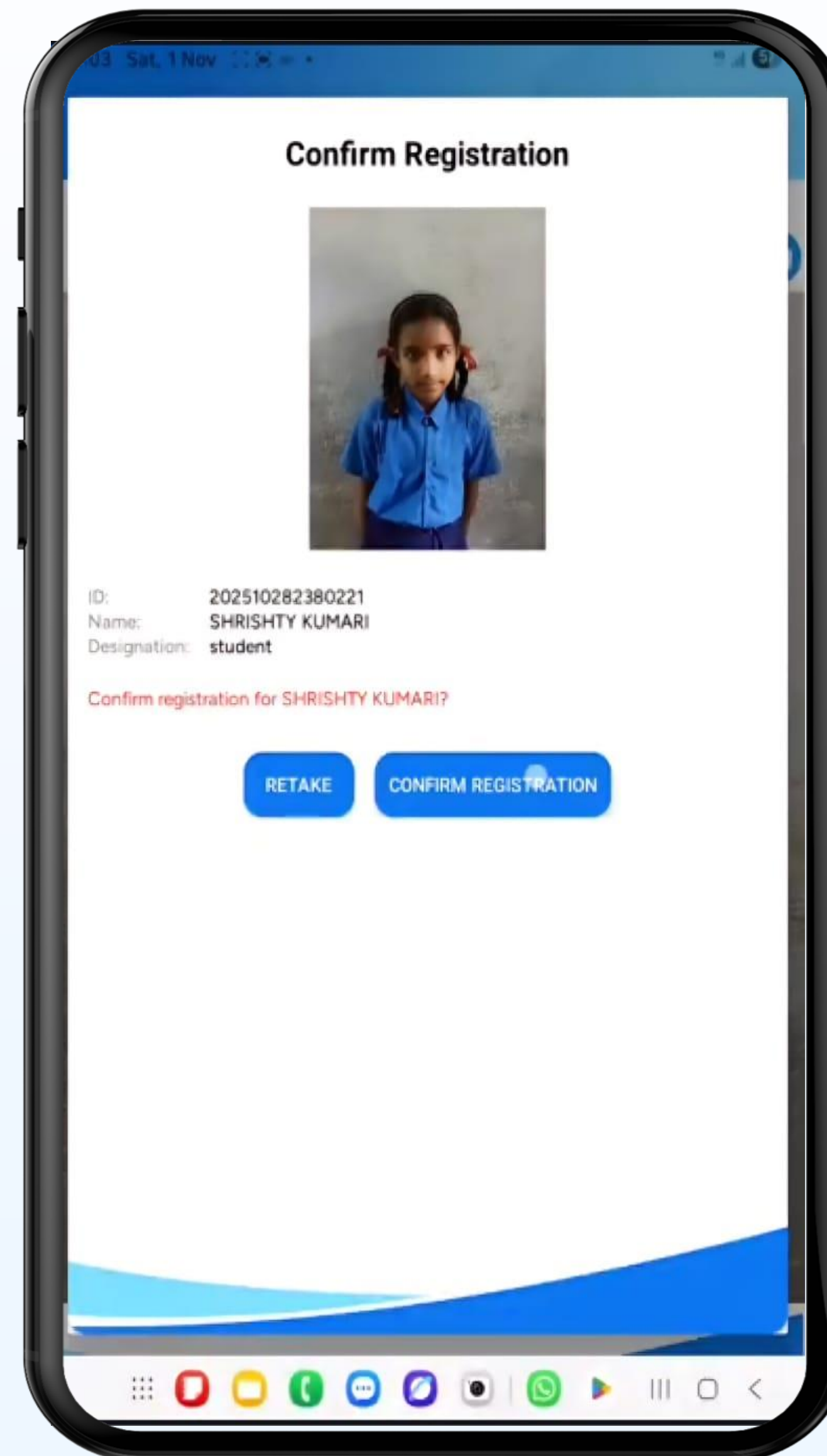
- Select the student you wish to register and tap the **Red Cross** icon. Camera will open.
- **Note** :- While Registering face mandatory things to follow
  1. **Proper lighting conditions.**
  2. **Background** should be **white**
  3. **Align face inside the circle.**
  4. Ask the student to **smile** and **blink the eyes** during registration.





## 4. Student Registration

- Click on **Confirm Registration** button.
- success message will appear as shown in the image.
- Click on the **Finish the Process** button.
- Student Registration is Successfully completed

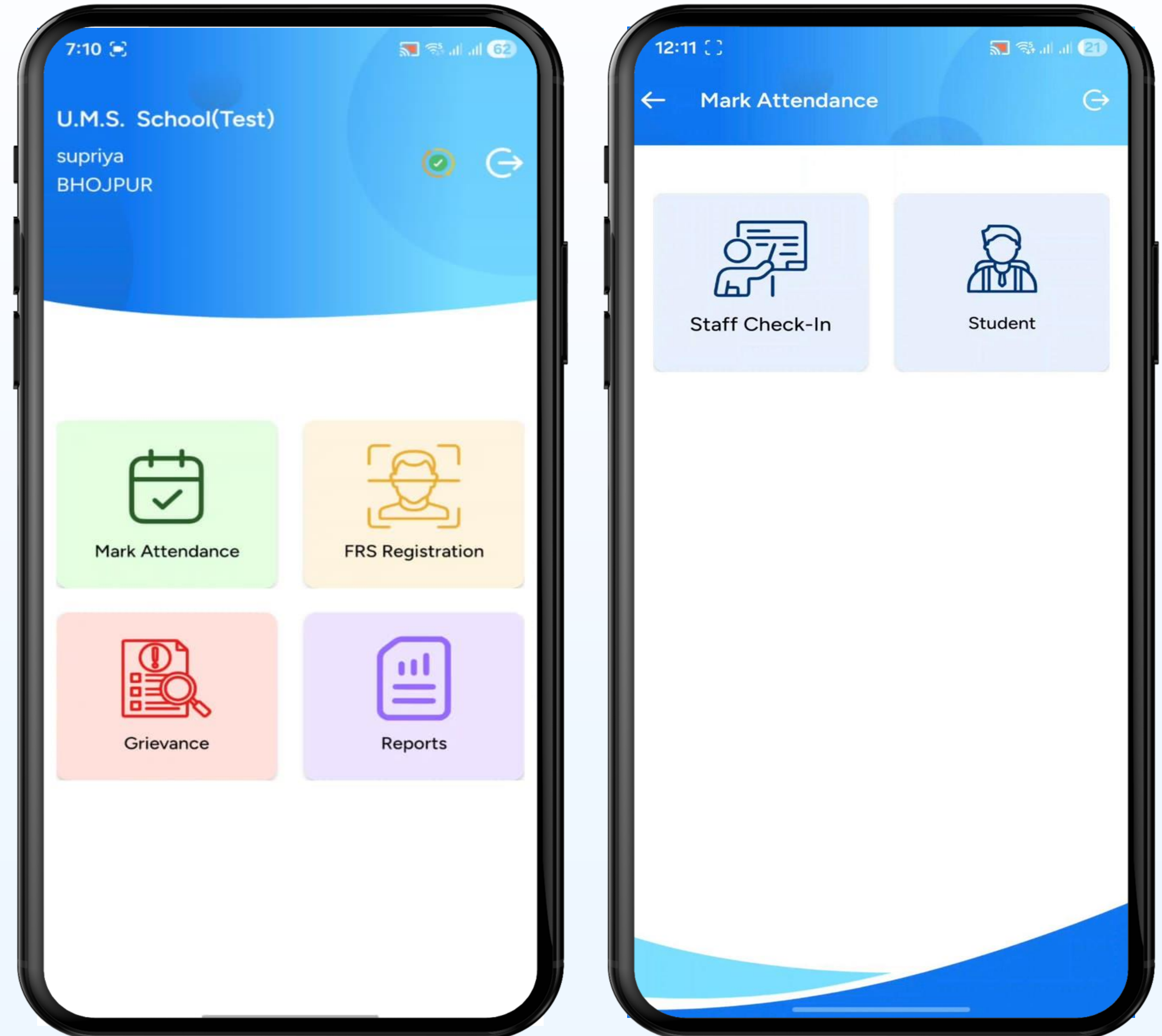




## **5. STUDENT ATTENDANCE**

## 5.Student Attendance

- Use **Staff login** to capture **Student attendance**.
- Enter **user id** and **password** of **staff** and click on **login button**.
- User will be navigated to home screen.
- From the Home Screen, tap on **Mark Attendance** user will be navigated screen as shown in the image.
- Choose **Student** Attendance Type from the screen.





# 5. Student Attendance

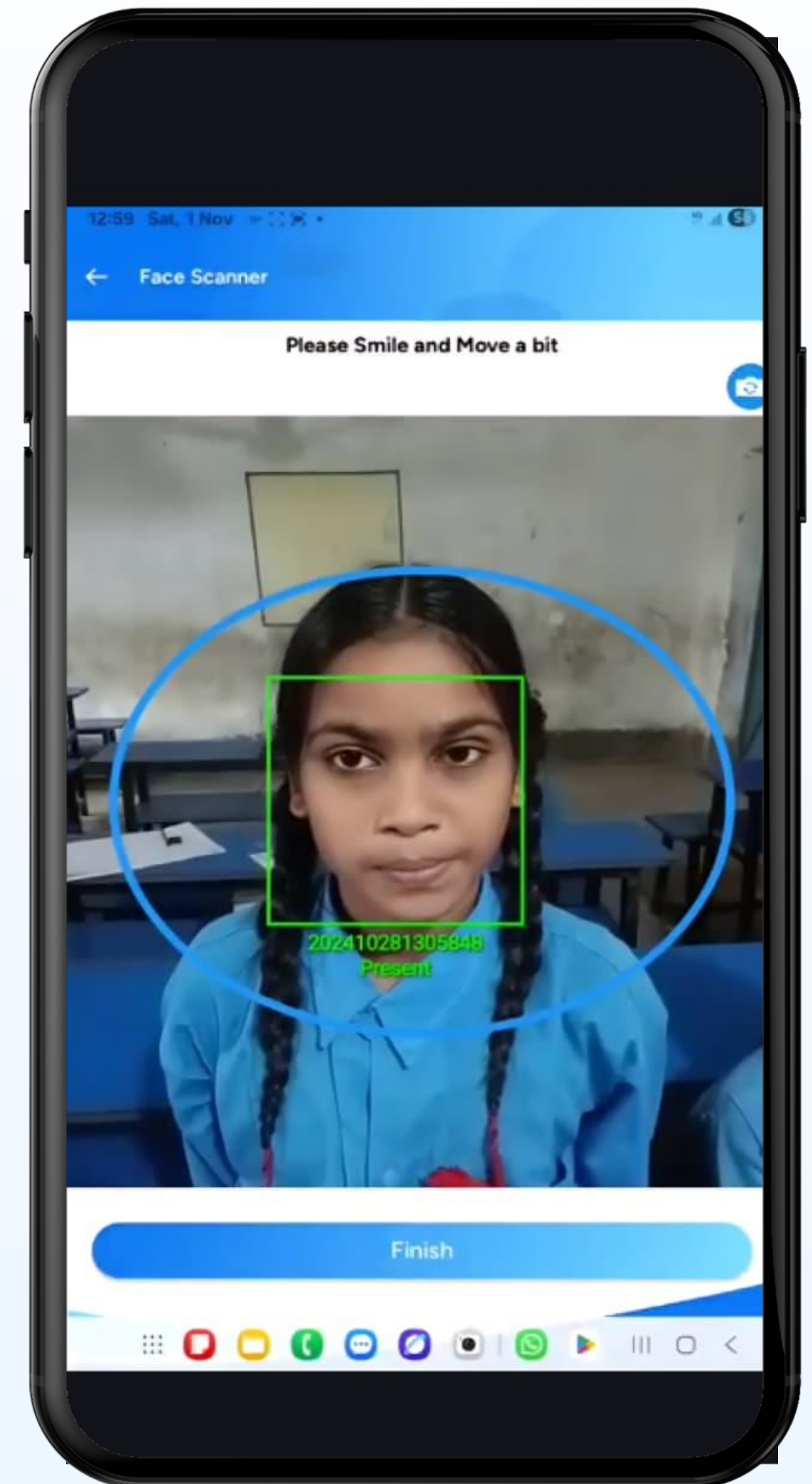
- **Marking Student Attendance:**
- Select the **Class** and **Section** to get list of students.
- There are 2 Modes to take attendance
  - a. Check-in 1:N (Individual):** Capture students one by one. A green square confirms capture.
  - b. Check-in N:N (Group):** Capture 3 to 5 students at once. Green squares confirm capture; red squares indicates an issue.
- Choose your Mode

The screenshot shows the 'Student Attendance' app interface. At the top, there is a blue header with a back arrow, the title 'Student Attendance', and a forward arrow. Below the header, the 'Date & Time' section shows '04/08/2025 02:25 pm'. The 'Class' section has a dropdown menu with 'Class-V' selected. The 'Section' section has a dropdown menu with 'Section B' selected. At the bottom, there are two blue buttons: 'Check-In' and 'Check-In-N Mode'.

## 5. Student Attendance

### Check-in 1:N (Individual)– Tablet will be Portrait mode

- Select "Check-in 1:N (Individual)" attendance mode
- The camera will open. Begin with the first student.
- A **green square** on the screen confirms **successful capture** of the student's face.
- Move to the second student; again, wait for a green square to confirm capture.
- Repeat for each student individually until all students' faces are captured and confirmed with the green square.
- Once all students are done, click the **Finish** button to save the attendance record.
- **Finish Process:** After capturing all students, proceed to the final list and tap **Finish Process** to save the record. **This step is mandatory.**

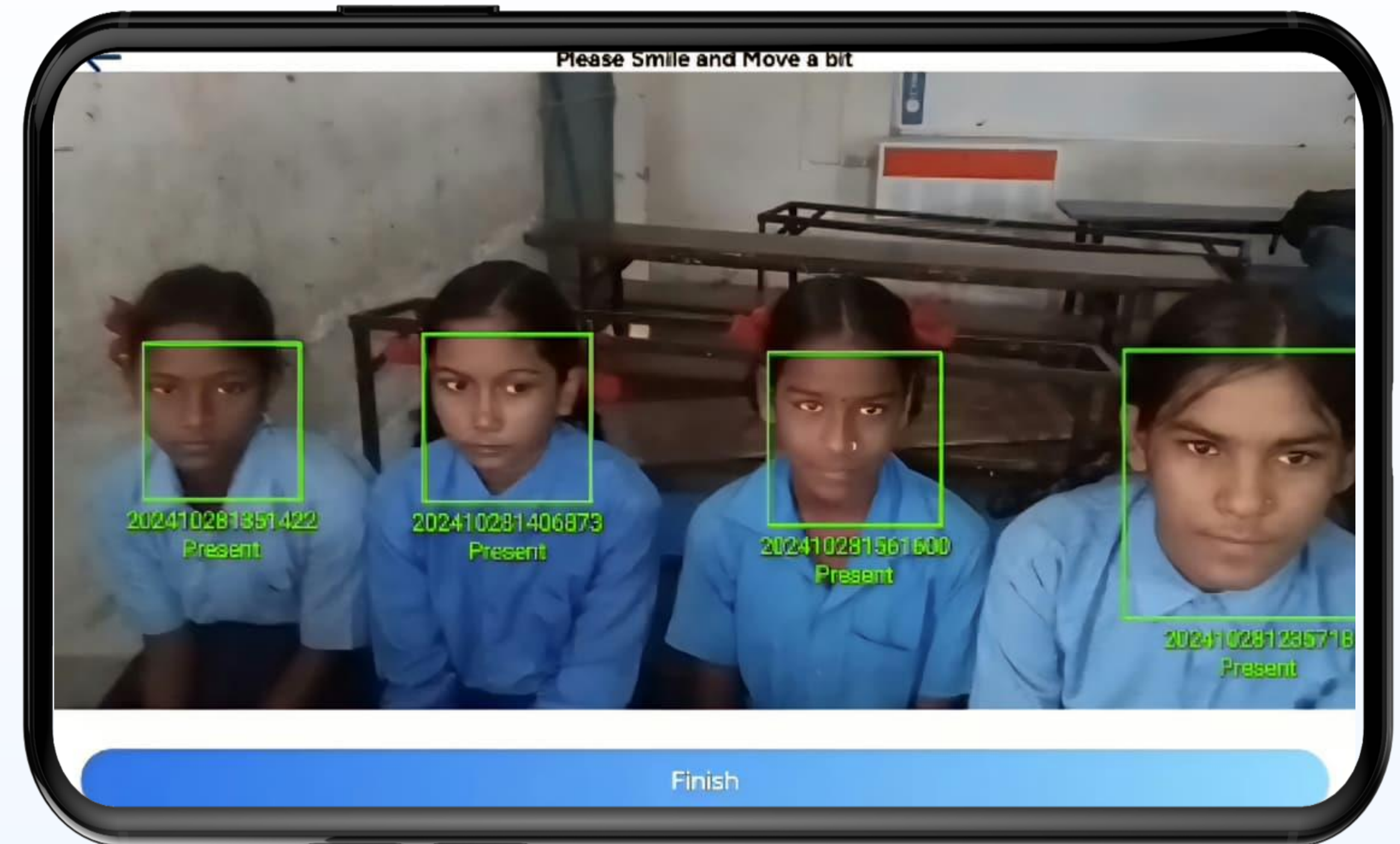




# 5. Student Attendance

**Check-in N:N (Group): Tablet will be in Landscape mode**

- Select "**Check-in N:N (Group)**" attendance mode in the app. The camera will open.
- you can now position 3 to 5 students in front of the camera at the same time.
- Green squares on each student's face confirm successful capture for each student in the group.
- If you see a red square, it means there is an issue with that student's capture (for example, face not properly detected or poor lighting).
- You can repeat the process bench by bench until all students in the class are completed.
- Once all students have been marked in groups, proceed to the final list and tap the Finish Process button to save the attendance record. This step is mandatory.





# Attendance app Don'ts and Do's



## Don'ts



 Ensure proper Light



 Don't shake phone While Capture



 Remove specs and mask while capturing



 Only single person During registration & 1:N attendance capturing



 Look Straight to Camera



 Remove any cap while capturing

## Do's



Keep face straight to the camera



Slowly blink your eyes and smile





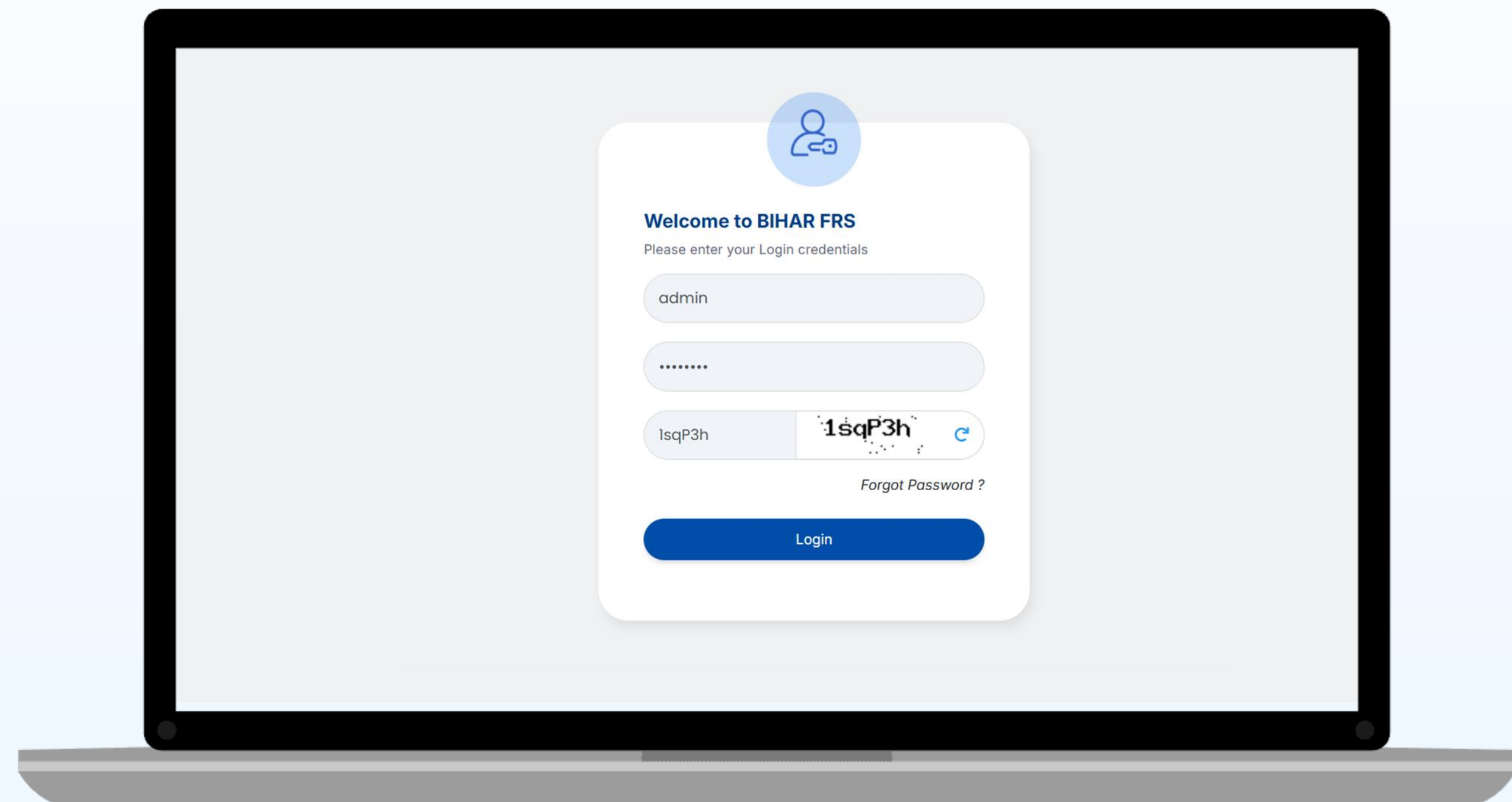
<https://bepc.entrolabs.com/admin/>

To view and manage the school data click on the above link or copy and paste the above link into your browser.

**username: School UDISE Code**

**Password: Frs@2025**

Click on login button user will be navigated to screen in the next slide



**Web Dashboard**

Here the user can view below options in left side navigation.

- 1. Staff Attendance Report
- 2. Student Attendance Report
- 3. Delete Staff
- 4.Delete Student
- 5.Location Mapping
- 6.Twins Mapping

Dashboard

Staff Attendance Report

Student Attendance Report

Delete Staff

Delete Student

Location Mapping

Twins Mapping

U.M.S. School(Test)

Logout

BHOJPUR

ARA

Select

Total Schools

1

Total Students

19

Total Teaching Staff

3

Total Non Teaching Staff

0

Student Face Enrollments

as on December 1, 2025, 2:03 PM

Students Face Enrolled0

Students Face Not-Enrolled19

|            |   |    |
|------------|---|----|
| Class-I    | 0 | 11 |
| Class-II   | 0 | 1  |
| Class-III  | 0 | 2  |
| Class-IV   | 0 | 1  |
| Class-V    | 0 | 1  |
| Class-VI   | 0 | 1  |
| Class-VII  | 0 | 1  |
| Class-VIII | 0 | 1  |
| Class-IX   | 0 | 0  |
| Class-X    | 0 | 0  |

Student Attendance

as on December 1, 2025, 2:03 PM

Students Present0

Students Absent0

|            |   |
|------------|---|
| Class-I    | 0 |
| Class-II   | 0 |
| Class-III  | 0 |
| Class-IV   | 0 |
| Class-V    | 0 |
| Class-VI   | 0 |
| Class-VII  | 0 |
| Class-VIII | 0 |
| Class-IX   | 0 |
| Class-X    | 0 |



If there is any issue with face template registered for student or teacher

1. you **delete** the **student registration** in the **Delete Student** option.

2. you can **delete** the **Teacher registration** in the **Delete Staff** option



Dashboard

Staff Attendance Report

Student Attendance Report

Delete Staff

Delete Student

Location Mapping

Twins Mapping

U.M.S. School(Test)

Logout

Delete Staff

| S.No | Staff Id | Staff Name | Designation           | Registered or Not | Action            |
|------|----------|------------|-----------------------|-------------------|-------------------|
| 1    | 9001001  | Supriya    | School Teacher (BPSC) | Registered        | <div>Delete</div> |

If there is any **Location issue** (latitude or longitude issue). You can **edit** your **Latitude** and **Longitude** in **Location Mapping option** of the nodal officer web login.

If there are **Twins** in the class you map them in **Twin Mapping** option.



Dashboard

Staff Attendance Report

Student Attendance Report

Delete Staff

Delete Student

Location Mapping

Twins Mapping

U.M.S. School(Test)

Logout

Add Location

Latitude\*

Longitude\*

Range in (Mtrs)\*

Latitude

Longitude

1000

Submit

| S.No | Staff Id | Latitude   | Longitude  | Range | Action |
|------|----------|------------|------------|-------|--------|
| 1    | 9001001  | 17.4448372 | 78.3948414 | 1000  | Edit   |
| 2    | 9001002  | 17.4448372 | 78.3948414 | 1000  | Edit   |
| 3    | 9001009  | 14.471646  | 79.6223123 | 1000  | Edit   |
| 4    | 9001003  | 17.4448372 | 78.3948414 | 1000  | Edit   |
| 5    | 9001004  | 17.4448372 | 78.3948414 | 1000  | Edit   |

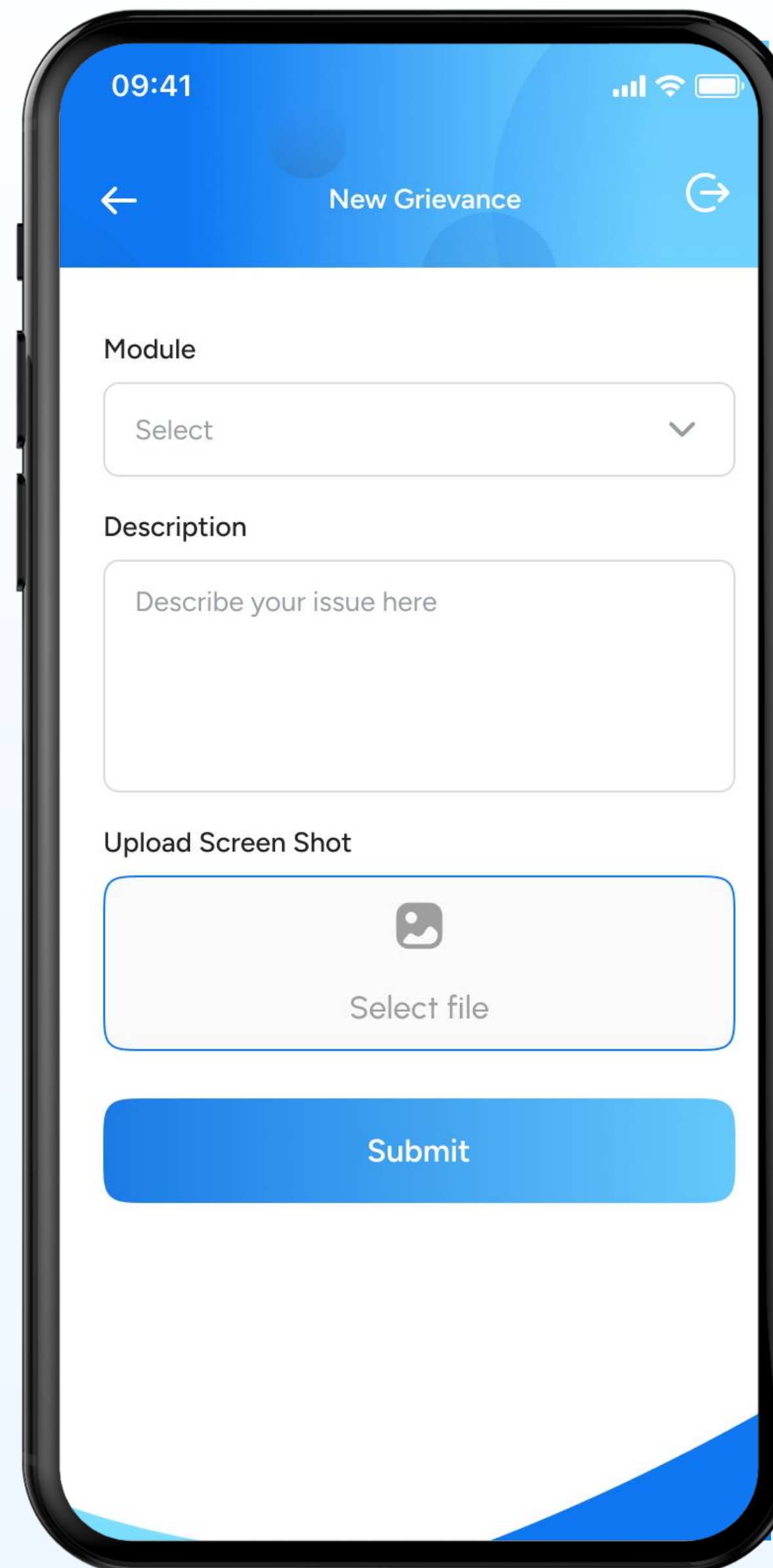


# 6. Grievance

## Grievance Module

This module allows you to report and track technical issues in the application.

- 1. Grievance Dashboard:** From the Home Screen, tap **Grievance**. The dashboard shows a summary of Total, Pending, and Closed grievances.
- 2. Submit a New Grievance:** Tap the **New Grievance** button, fill out the form (select module, describe the issue, attach a screenshot), and tap **Submit**.
- 3. Track a Grievance:** Tap on any grievance in the list to view its status and any comments from the support team.



09:41

New Grievance

Module

Select

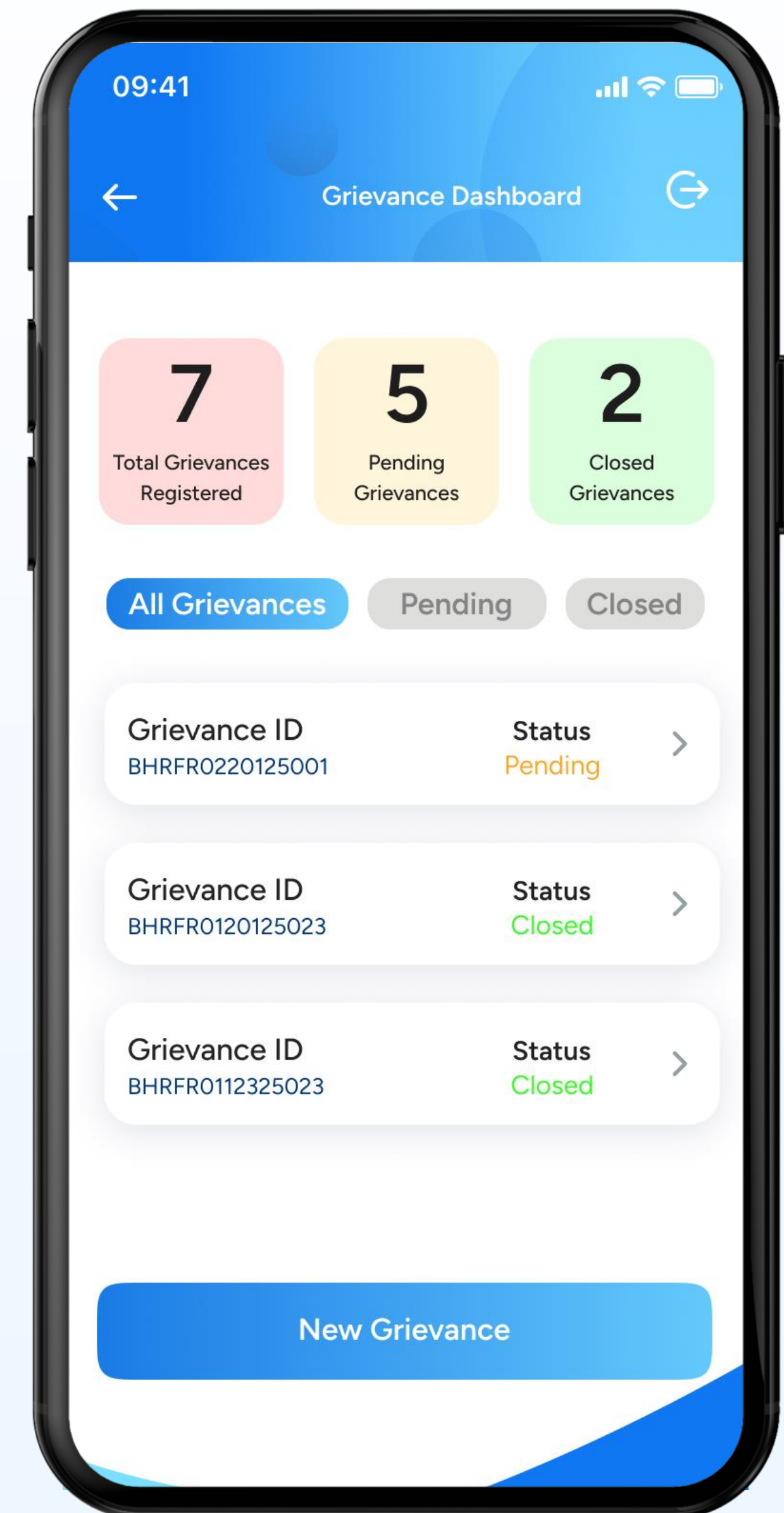
Description

Describe your issue here

Upload Screen Shot

Select file

Submit



09:41

Grievance Dashboard

7 Total Grievances Registered

5 Pending Grievances

2 Closed Grievances

All Grievances Pending Closed

Grievance ID BHRFR0220125001 Status Pending

Grievance ID BHRFR0120125023 Status Closed

Grievance ID BHRFR0112325023 Status Closed

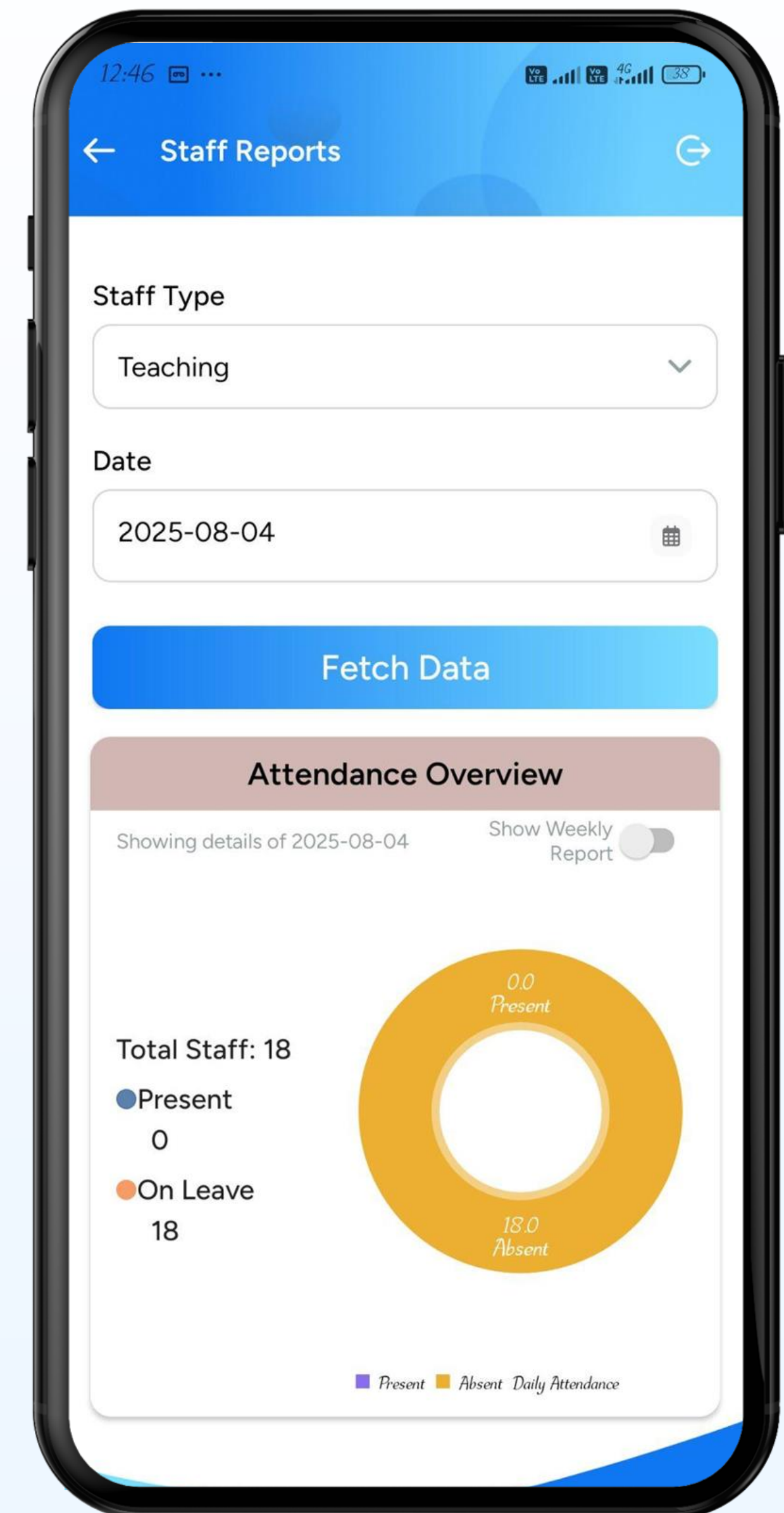
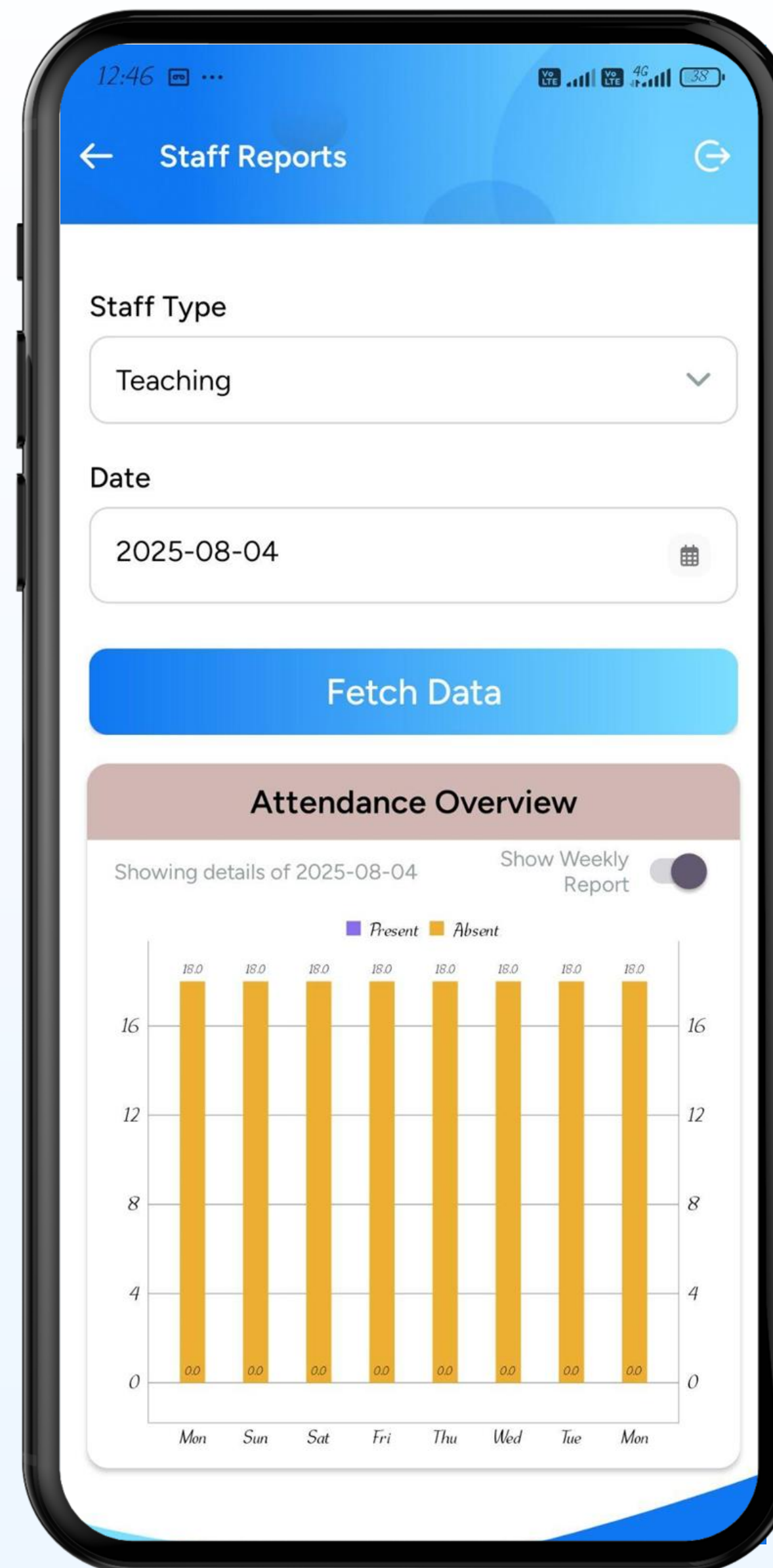
New Grievance



# 7. Staff Reports

This module provides a quick summary of daily attendance. For detailed reports, please use the Web Portal.

- 1. Choose Report Category:** From the Home Screen, tap **Reports**, then choose between **Staff**
- 2.** Select Staff type, Date and tap on fetch data.
- 3. Generate Report:** A chart will display the total **Present** and **Absent** count.
- 4.** Data is represented in both Bar graph and pie chart.
- 5.** It is recommended to visit web dashboard for detailed reports.





# 8. Student Reports

This module provides a quick summary of daily attendance. For detailed reports, please use the Web Portal.

- 1. Choose Report Category:** From the Home Screen, tap **Reports**, then choose between **Student**
- Select Date, Class, Section and tap on fetch data.
- 3. Generate Report:** A chart will display the total **Present** and **Absent** count.
- Data is represented in both Bar graph and pie chart.
- It is recommended to visit web dashboard for detailed reports.

Student Reports

Class

Pre-Primary

Section

Section A

Date

2025-08-04

Fetch Data

Attendance Overview

Showing details of 2025-08-04

Show Weekly Report

Total Students - 29

Present 0

On Leave 29

0.0 Present

29.0 Absent

Present Absent Daily Attendance

Attendance Report

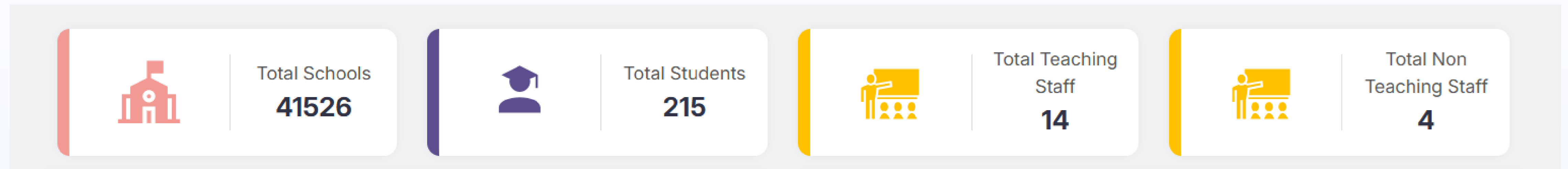
|                  |                              |
|------------------|------------------------------|
| P.Jeshrika       | ID: LK93605 - Status: Absent |
| M.Aaron Reddy    | ID: LK84322 - Status: Absent |
| P.Abhinay        | ID: LK38469 - Status: Absent |
| N.Anvith         | ID: LK51167 - Status: Absent |
| S.Meghansh Reddy | ID: LK38393 - Status: Absent |
| k. Aadhya        | ID: LK41059 - Status: Absent |
| B.Sathwik        | ID: LK43601 - Status: Absent |
| y.Aadhya         | ID: LK44494 - Status: Absent |
| M.Shreyansh      | ID: LK43343 - Status: Absent |
| A.Vedhaansh      | ID: LK16030 - Status: Absent |
| S.Aadya          | ID: LK15677 - Status: Absent |
| K.Aarushi        | ID: LK55278 - Status: Absent |

## **9. WEB DASHBOARD**



# Key Performance Indicators (KPIs)

Four main boxes at the top display core totals:



- Total Schools
- Total Students
- Total Teaching Staff
- Total Non-Teaching Staff



# Features – Export Options

**Easy Data Portability:** For offline analysis, record-keeping, or sharing with other departments, an "Export" button is available on every report. This allows you to download the precise data you are viewing directly into a spreadsheet with a single click.

**Historical Data Analysis:** The report is not limited to showing only the current day's data. A date selection feature is provided, allowing you to navigate to and view the attendance report for any particular day in the past. This is essential for analyzing historical trends, comparing attendance across different dates, and generating reports for specific time periods.





# District Report

Welcome to Dashboard

[Logout](#)

| S.No | District   | Staff |            |                | Staff Attendance |        | Student |            |                | Student At |
|------|------------|-------|------------|----------------|------------------|--------|---------|------------|----------------|------------|
|      |            | Total | Registered | Not Registered | Present          | Absent | Total   | Registered | Not Registered | Present    |
| 1    | Araria     | 0     | 0          | 0              | 0                | 0      | 0       | 0          | 0              | 0          |
| 2    | Arwal      | 0     | 0          | 0              | 0                | 0      | 0       | 0          | 0              | 0          |
| 3    | Aurangabad | 0     | 0          | 0              | 0                | 0      | 0       | 0          | 0              | 0          |
| 4    | Banka      | 0     | 0          | 0              | 0                | 0      | 0       | 0          | 0              | 0          |
| 5    | Begusarai  | 0     | 0          | 0              | 0                | 0      | 0       | 0          | 0              | 0          |
| 6    | Bhagalpur  | 0     | 0          | 0              | 0                | 0      | 0       | 0          | 0              | 0          |
| 7    | Bhojpur    | 0     | 0          | 0              | 0                | 0      | 0       | 0          | 0              | 0          |
| 8    | Buxar      | 0     | 0          | 0              | 0                | 0      | 0       | 0          | 0              | 0          |
| 9    | Darbhanga  | 18    | 0          | 18             | 0                | 18     | 215     | 0          | 215            | 0          |
| 10   | Gaya       | 0     | 0          | 0              | 0                | 0      | 0       | 0          | 0              | 0          |

[Report](#)

[Add School](#)



# Block Drill Down

Welcome to Dashboard

Logout

Date

dd-mm-yyyy



Search

Darbhanga >

| S.No | Block        | Staff |            |                | Staff Attendance |        | Student |            |                |
|------|--------------|-------|------------|----------------|------------------|--------|---------|------------|----------------|
|      |              | Total | Registered | Not Registered | Present          | Absent | Total   | Registered | Not Registered |
| 1    | Alinagar     | 18    | 0          | 18             | 0                | 18     | 215     | 5          | 210            |
| 2    | Bahadurpur   | 0     | 0          | 0              | 0                | 0      | 0       | 0          | 0              |
| 3    | Baheri       | 0     | 0          | 0              | 0                | 0      | 0       | 0          | 0              |
| 4    | Benipur      | 0     | 0          | 0              | 0                | 0      | 0       | 0          | 0              |
| 5    | Biraul       | 0     | 0          | 0              | 0                | 0      | 0       | 0          | 0              |
| 6    | Darbhanga    | 0     | 0          | 0              | 0                | 0      | 0       | 0          | 0              |
| 7    | Ghanshyampur | 0     | 0          | 0              | 0                | 0      | 0       | 0          | 0              |

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Date

dd-mm-yyyy



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| S.No | School                            | Staff |            |                | Staff Attendance |        | Student |            |                | Student |
|------|-----------------------------------|-------|------------|----------------|------------------|--------|---------|------------|----------------|---------|
|      |                                   | Total | Registered | Not Registered | Present          | Absent | Total   | Registered | Not Registered | Present |
| 1    | Araria girls public school        | 12    | 0          | 12             | 0                | 12     | 99      | 5          | 94             | 0       |
| 2    | Garden public school              | 5     | 0          | 5              | 0                | 5      | 38      | 0          | 38             | 0       |
| 3    | Mahila mahavidyalay araria        | 1     | 0          | 1              | 0                | 1      | 78      | 0          | 78             | 0       |
| 4    | Union public school sisona araria | 0     | 0          | 0              | 0                | 0      | 0       | 0          | 0              | 0       |

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[Darbhanga](#) > [Alinagar](#) > [Araria girls public school](#)

| S.No | Student ID | Student Name | Gender | Class     | Section   | Registration Status | Attendance Status on2025-07-02 |
|------|------------|--------------|--------|-----------|-----------|---------------------|--------------------------------|
| 1    | ST5001     | Student 1    | Male   | Class-VI  | Section A | Not Registered      | Absent                         |
| 2    | ST5002     | Student 2    | Male   | Class-VII | Section C | Not Registered      | Absent                         |
| 3    | ST5003     | Student 3    | Male   | Class-VII | Section C | Not Registered      | Absent                         |
| 4    | ST5004     | Student 4    | Male   | Class-VI  | Section A | Not Registered      | Absent                         |
| 5    | ST5005     | Student 5    | Male   | Class-VI  | Section A | Not Registered      | Absent                         |
| 6    | ST5008     | Student 8    | Male   | Class-VII | Section B | Not Registered      | Absent                         |
| 7    | ST5009     | Student 9    | Male   | Class-VII | Section B | Not Registered      | Absent                         |
| 8    | ST5010     | Student 10   | Male   | Class-VII | Section B | Not Registered      | Absent                         |
| 9    | ST5011     | Student 11   | Male   | Class-VII | Section B | Not Registered      | Absent                         |
| 10   | ST5012     | Student 12   | Male   | Class-VI  | Section A | Not Registered      | Absent                         |
| 11   | ST5013     | Student 13   | Male   | Class-VI  | Section A | Not Registered      | Absent                         |

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# Support Required for Successful Implementation

## **From Schools:**

- Ensure Nodal Officers attend Scheduled district-level training with our Rollout Engineers.

## **Nodal Officers to:**

- Register staff and train school teams for student registration and attendance.
- Report any implementation challenges to Support/Rollout Engineers.
- Use the Grievance module for faster issue resolution.
- Disseminate training materials and demo videos provided by our team to school staff.

# Training Video Links

## **1. Login and staff registration**

<https://youtu.be/msYPgb4S2IA>

## **1. Staff Attendance**

<https://youtu.be/RlinciikkCY>

## **1. Student Registration**

<https://youtu.be/fAck0K--m3s>

## **4.Student Attendance N-N Mode**

<https://youtu.be/nU5ZsYgh4dw>

## **5. Student Attendance 1-N Mode**

<https://youtu.be/ENV4kVcQ44Y>





**THANK YOU**

