

Aadhaar Enabled Biometric Attendance System



AEBAS : Face based Attendance marking using Personal mobile

Configurable Organization policy for Personal Mobile Device:

Nodal Officer has to configure

- Organization Based Geo-fencing Policy in terms of Y/N
- Distance for the Geo fence.
- Single or multiple people mark attendance from same device.
- Roaming configuration
- NICNET Wi-Fi configuration
- Location Control i.e., Entry Points and GPS Lat Long to be defined

AEBAS : Face based Attendance marking using Personal mobile

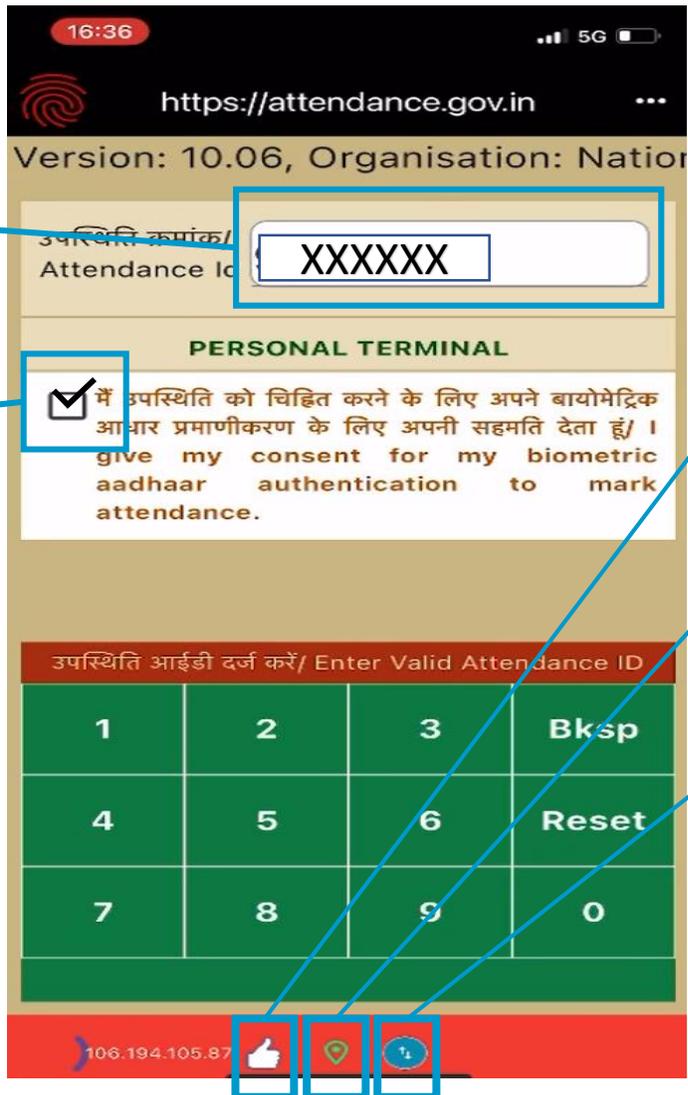
Pre-requisite:

- *Installation of Aadhar face RD,*
- *Installation of Mobile Attendance client*
- *Employee must have attendance ID*
- *To capture GPS Lat Long, device location service should be on.*

Client Configuration (Device Registration)

- Employee has to select the attendance domain
- Employee enters Attendance-id
- OTP verification
- Face based verification
- On successful configuration client will get device ID
- Organization policy will be downloaded on successful configuration.

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The screenshot shows the AEBAS mobile application interface. At the top, the URL is <https://attendance.gov.in>. Below the URL, the version and organization information are displayed: "Version: 10.06, Organisation: Nation". The main form contains a field for "उपस्थिति कम्पांक / Attendance ID" with the value "XXXXXX" pre-filled. Below this is a "PERSONAL TERMINAL" section with a consent checkbox checked. The consent text is: "मैं उपस्थिति को चिह्नित करने के लिए अपने बायोमेट्रिक आधार प्रमाणीकरण के लिए अपनी सहमति देता हूँ / I give my consent for my biometric aadhaar authentication to mark attendance." Below the consent section is a numeric keypad for "उपस्थिति आईडी दर्ज करें / Enter Valid Attendance ID" with buttons for digits 1-9, 0, "Bksp", and "Reset". At the bottom, there are three status icons: a thumbs up, a location pin, and a mobile data icon, all of which are highlighted with blue boxes and callouts.

Pre-filled Attendance ID

Consent check-box

The device is ready for attendance marking

Device Location is On

Mobile data On

उपस्थिति आईडी दर्ज करें / Enter Valid Attendance ID			
1	2	3	Bksp
4	5	6	Reset
7	8	9	0

AEBAS : Attendance Marking Process

16:36 5G

https://attendance.gov.in

Version: 10.06, Organisation: Nation

उपस्थिति क्रमांक/
Attendance Id

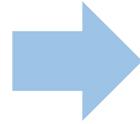
PERSONAL TERMINAL

मैं उपस्थिति को चिह्नित करने के लिए अपने बायोमेट्रिक आधार प्रमाणीकरण के लिए अपनी सहमति देता हूँ/ I give my consent for my biometric aadhaar authentication to mark attendance.

उपस्थिति आईडी दर्ज करें/ Enter Valid Attendance ID

1	2	3	Bksp
4	5	6	Reset
7	8	9	0

106.194.105.87



16:36 5G

https://attendance.gov.in

Version: 10.06, Organisation: Nation

उपस्थिति क्रमांक/
Attendance Id

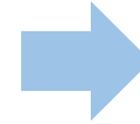
PERSONAL TERMINAL

मैं उपस्थिति को चिह्नित करने के लिए अपने बायोमेट्रिक आधार प्रमाणीकरण के लिए अपनी सहमति देता हूँ/ I give my consent for my biometric aadhaar authentication to mark attendance.

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1	2	3	Bksp
4	5	6	Reset
7	8	9	0

106.194.105.87



14:26 5G

Aadhaar Auth
v1.0.0



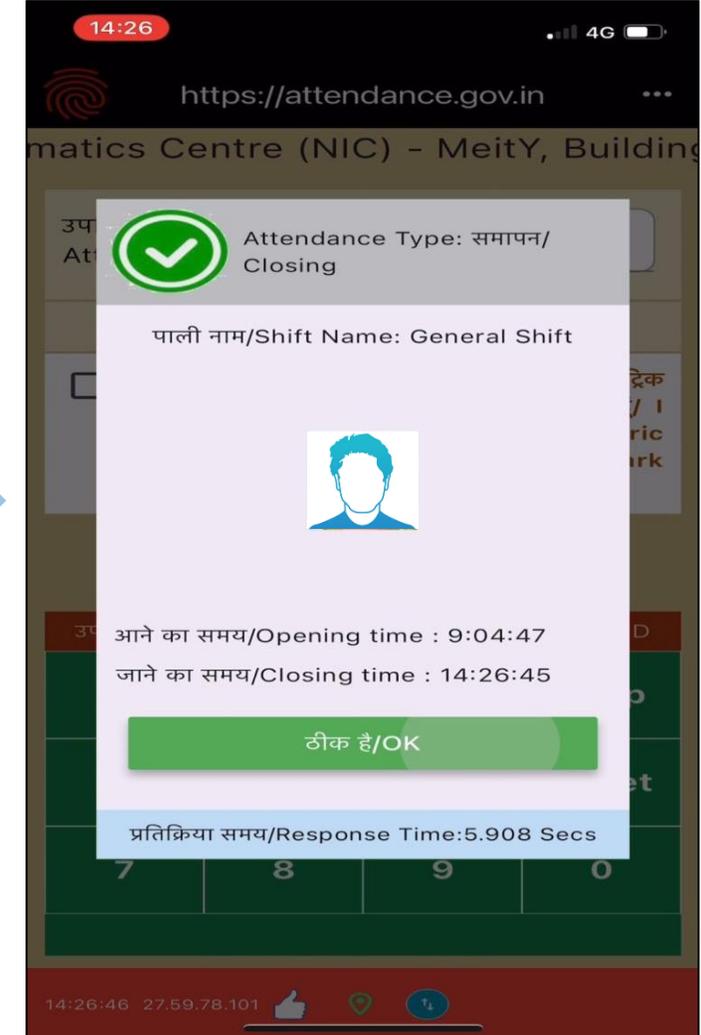
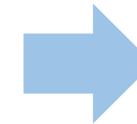
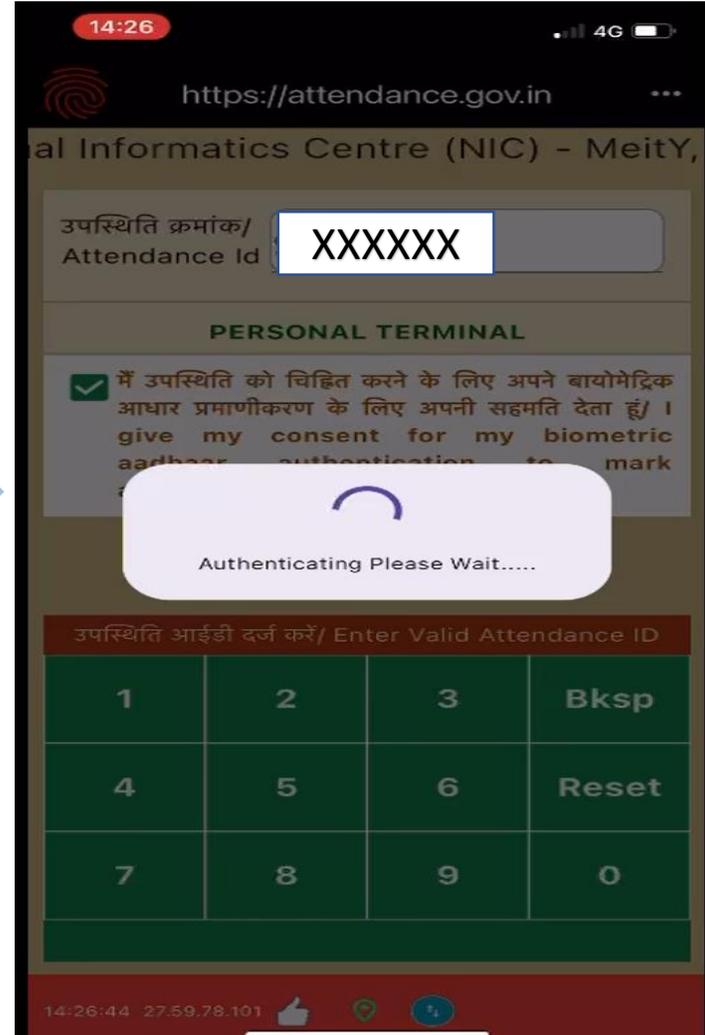
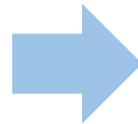
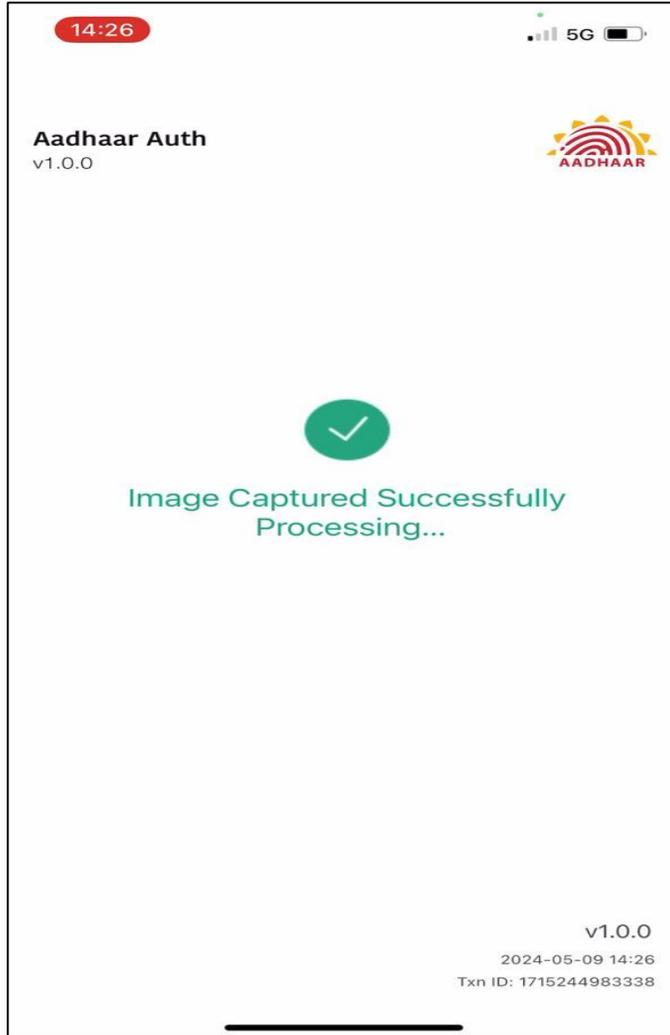
Please Blink to Capture





v1.0.0
2024-05-09 14:26
Txn ID: 1715244983338

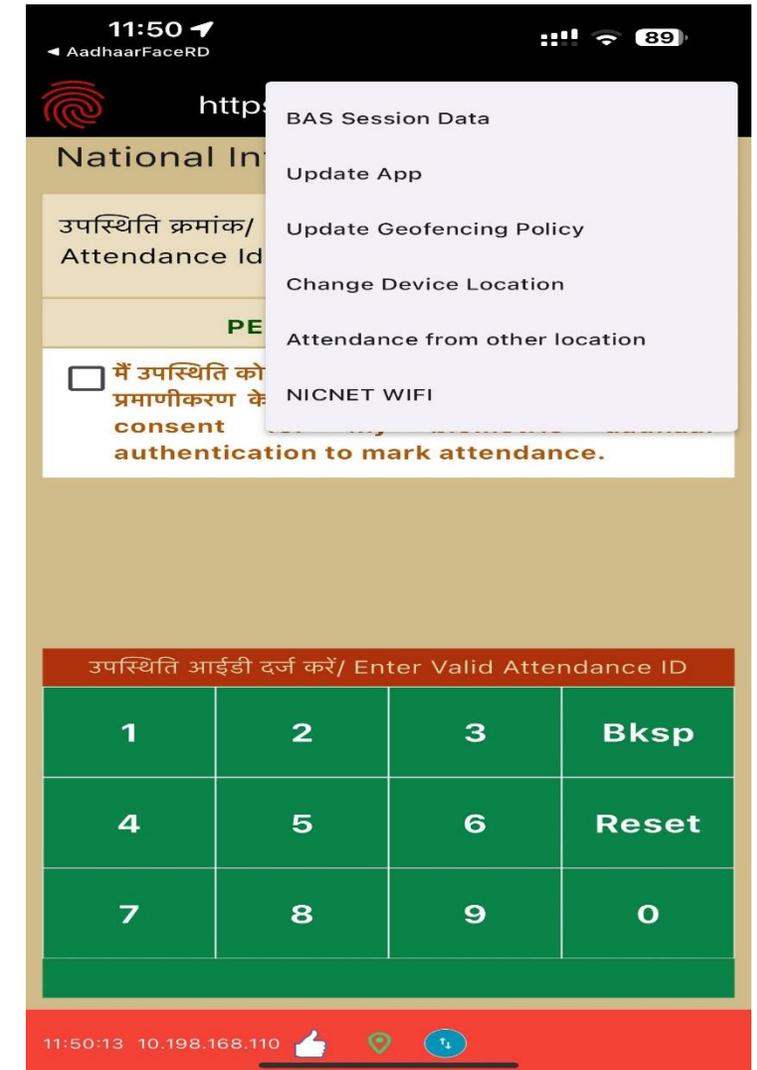
AEBAS : Attendance Marking Process



AEBAS : Face based Attendance marking using Personal mobile

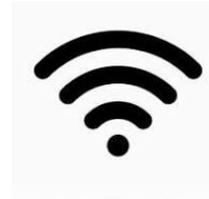
Options supported through menu

1	NICNET WIFI			4	Update Geofencing Policy
2	Attendance from other location (Roaming)			5	Update App
3	Change Device Location			6	BAS Session Data

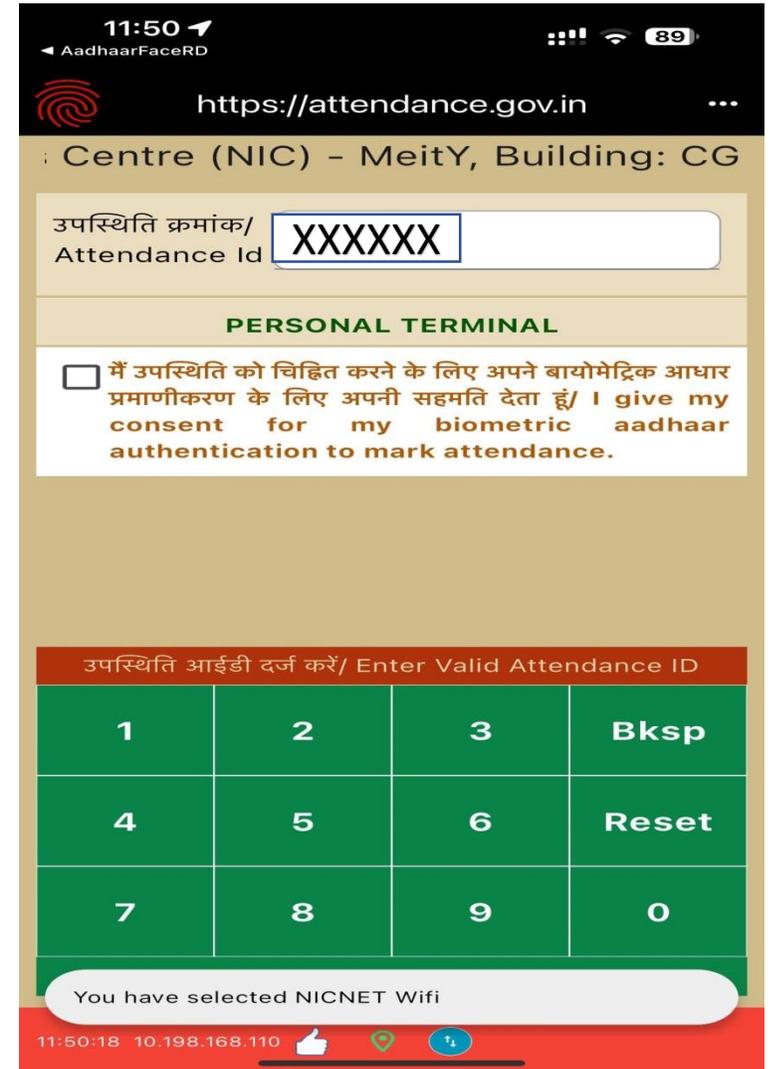


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NICNET WIFI - IP Fencing



- NICNET Wi-Fi IP addresses are stored at server level.
- When this option is selected distance checking is not performed.
- In case IP address does not match, permitted distance checking is done at the server level.
- Server will check for the IP address in terms of the client IP and IP which is posting request to the server.



11:50
AadhaarFaceRD

https://attendance.gov.in

Centre (NIC) - MeitY, Building: CG

उपस्थिति क्रमांक/
Attendance Id XXXXXX

PERSONAL TERMINAL

मैं उपस्थिति को चिह्नित करने के लिए अपने बायोमेट्रिक आधार प्रमाणीकरण के लिए अपनी सहमति देता हूँ/ I give my consent for my biometric aadhaar authentication to mark attendance.

उपस्थिति आईडी दर्ज करें/ Enter Valid Attendance ID

1	2	3	Bksp
4	5	6	Reset
7	8	9	0

You have selected NICNET Wifi

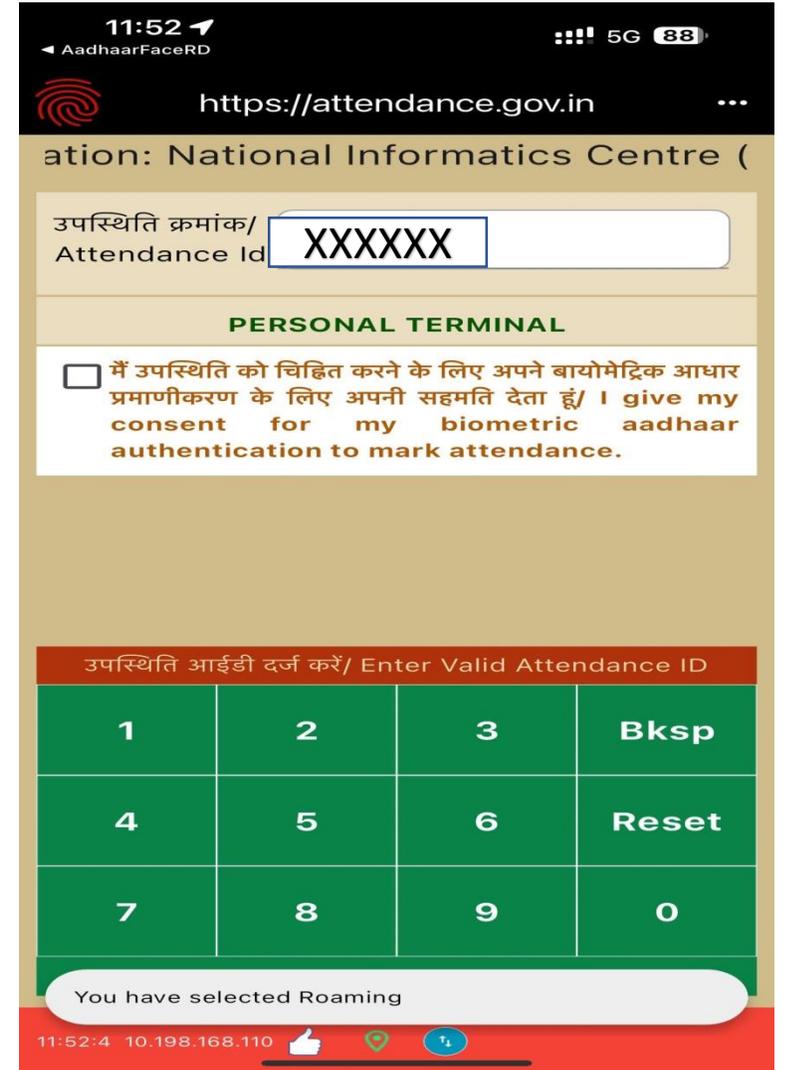
11:50:18 10.198.168.110

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Attendance from other location (Roaming)

In case, the employee is out-of-office/ city due to some official reason:

- Nodal officer may make entry in attendance portal for the roaming duration for the employee.
- Employee can mark attendance from anywhere in India and system will not check for any Geofence constraints.

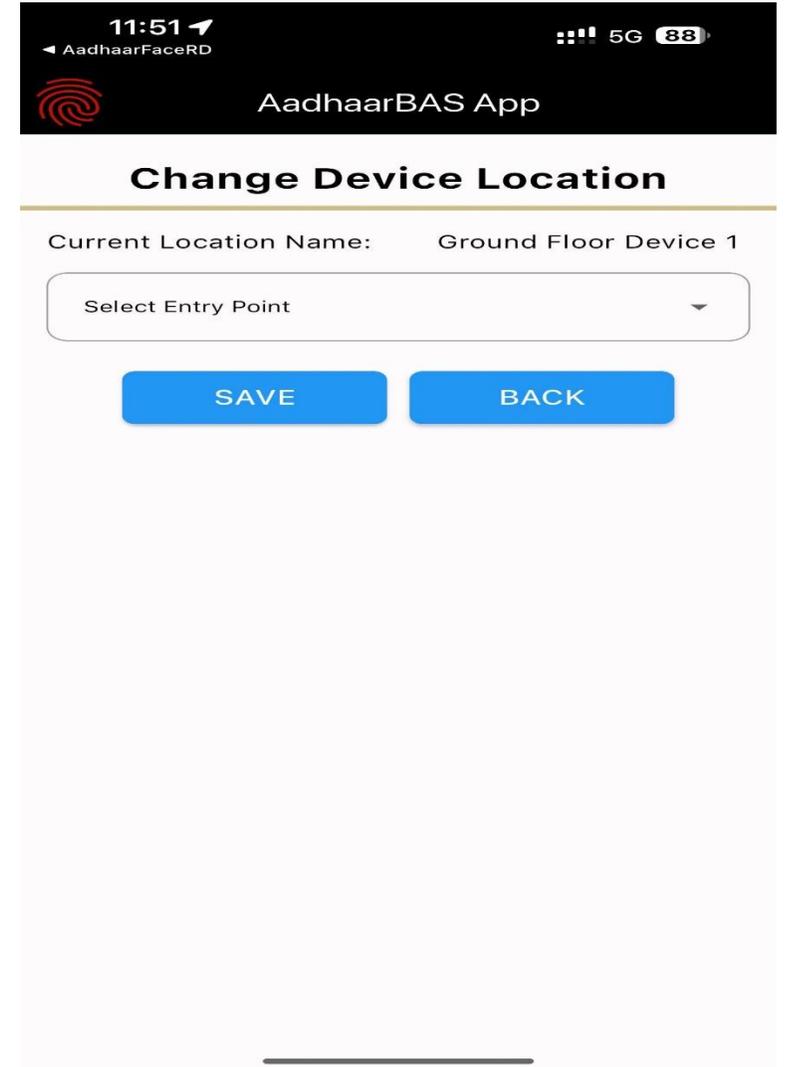


The screenshot shows the mobile application interface for marking attendance. At the top, the status bar displays the time 11:52, signal strength, 5G connectivity, and 88% battery. The app title is 'AadhaarFaceRD'. The URL 'https://attendance.gov.in' is visible. The location is set to 'National Informatics Centre ()'. A text input field for 'Attendance Id' contains 'XXXXXX'. Below this is a 'PERSONAL TERMINAL' section with a checkbox and the text: 'मैं उपस्थिति को चिह्नित करने के लिए अपने बायोमेट्रिक आधार प्रमाणीकरण के लिए अपनी सहमति देता हूँ/ I give my consent for my biometric aadhaar authentication to mark attendance.' At the bottom, there is a numeric keypad for 'Enter Valid Attendance ID' with buttons for 1, 2, 3, Bksp, 4, 5, 6, Reset, 7, 8, 9, and 0. A notification at the bottom states 'You have selected Roaming'. The bottom status bar shows the time 11:52:4, IP address 10.198.168.110, and various system icons.

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Change Device Location

- Facilitate an employee to change its entry location.
- This is applicable only after changing the office location in the attendance profile.

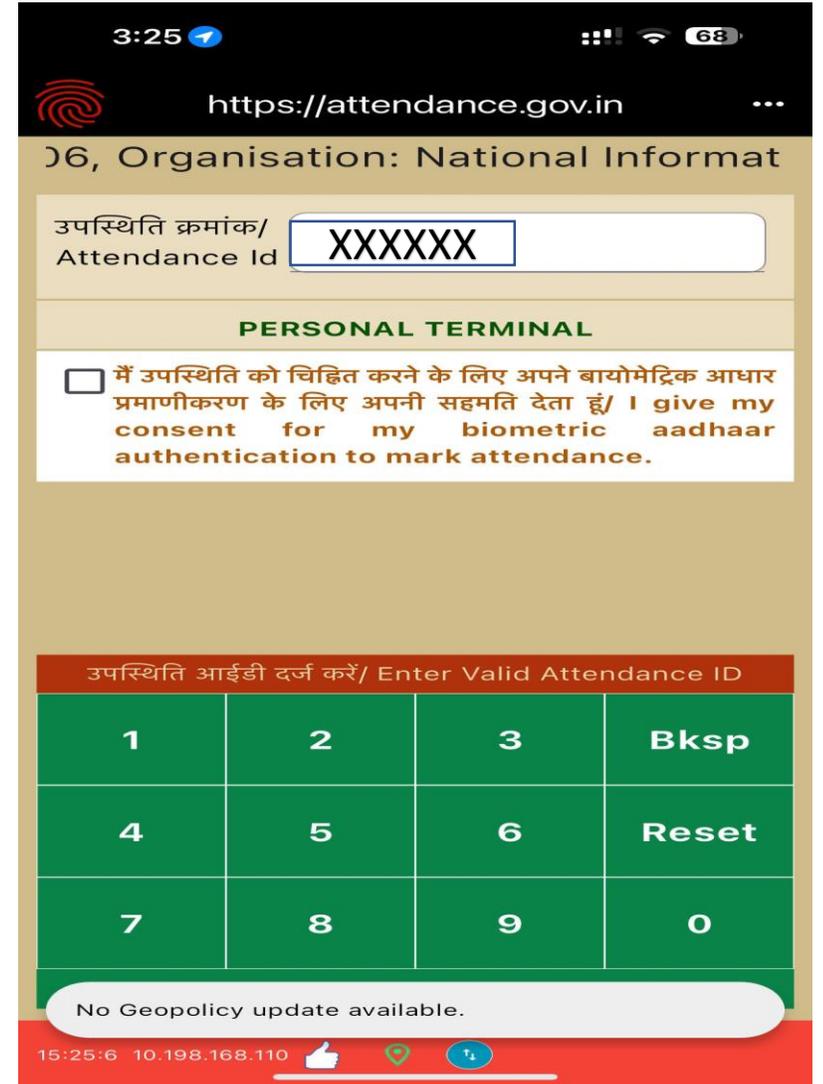


The screenshot shows the 'AadhaarBAS App' interface. At the top, the status bar displays the time 11:51, signal strength, 5G connectivity, and 88% battery. Below the status bar, the app title 'AadhaarBAS App' is visible next to a fingerprint icon. The main heading is 'Change Device Location'. Below this, the current location is shown as 'Current Location Name: Ground Floor Device 1'. A dropdown menu labeled 'Select Entry Point' is present. At the bottom, there are two blue buttons: 'SAVE' and 'BACK'.

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Updating Geofencing Policies

- This feature facilitates downloading organization policy for mobile attendance.
- Organization policy will only be downloaded when there is an update in terms of distance, roaming status, change in Geo coordinates, etc.
- Policy Update may be in two ways:
 - One is explicitly from the top menu
 - Another is automatically downloaded during attendance marking.



3:25

https://attendance.gov.in

06, Organisation: National Informat

उपस्थिति क्रमांक/
Attendance Id

PERSONAL TERMINAL

मैं उपस्थिति को चिह्नित करने के लिए अपने बायोमेट्रिक आधार प्रमाणीकरण के लिए अपनी सहमति देता हूँ/ I give my consent for my biometric aadhaar authentication to mark attendance.

उपस्थिति आईडी दर्ज करें/ Enter Valid Attendance ID

1	2	3	Bksp
4	5	6	Reset
7	8	9	0

No Geopolicy update available.

15:25:6 10.198.168.110