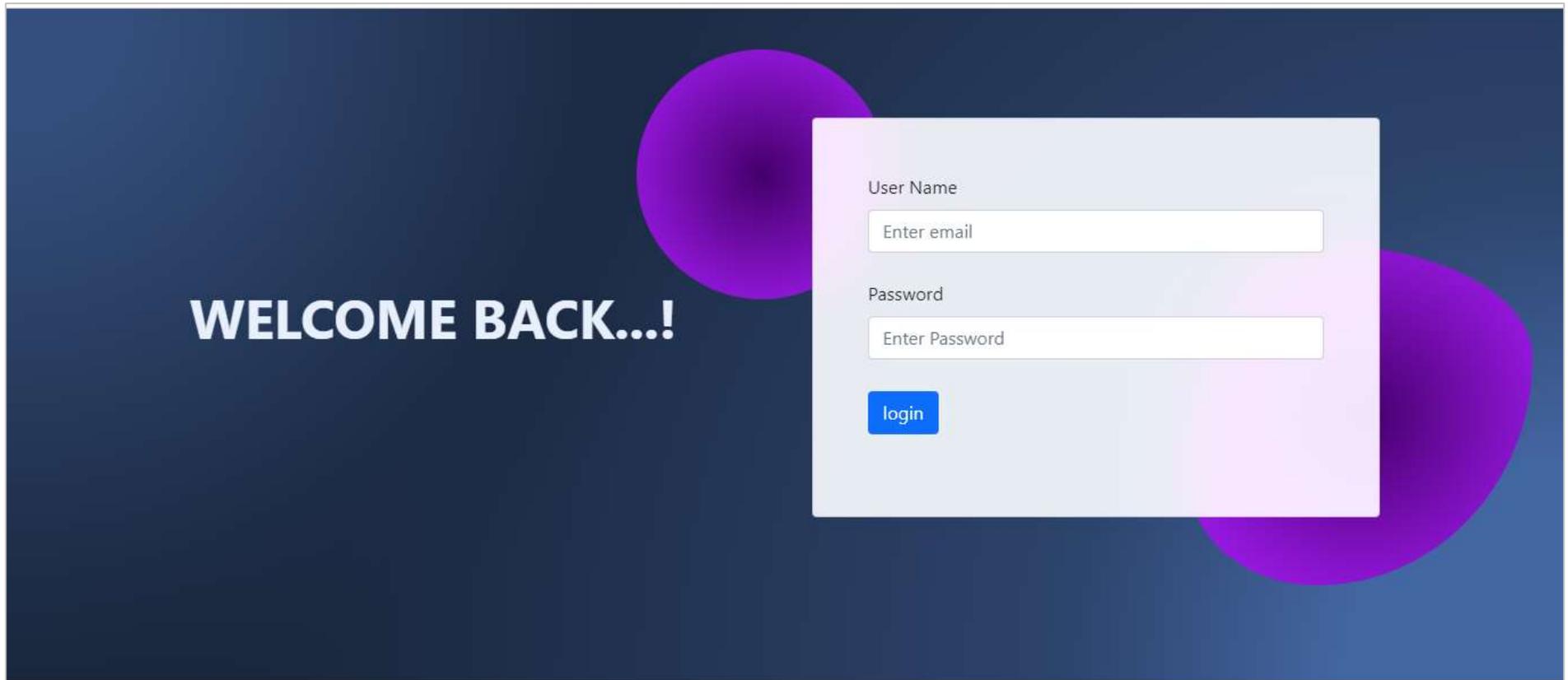

Smart Bulding Controller

Project : Patrol Monitoring and Water
Tank monitoring

Web Application

Login Screen

Login with registered Admin credential, who has access to create the new patrol security credential and create or modify route schedule details for each security.



The image shows a login screen with a dark blue background and two large purple circles. On the left, the text "WELCOME BACK...!" is displayed in white. On the right, there is a light blue login form with the following fields and buttons:

- User Name: Enter email
- Password: Enter Password
- login button

Master Field

Master field Screens are used to create or modify the basic information like building site, block name, building name, floor detail, device info (beacon device details), shift timings.

The screenshot displays the 'dhamu.space' web application interface. On the left is a dark sidebar with a navigation menu. The 'Patrol Monitoring' option is highlighted in blue. Below it, a dropdown menu is open, showing 'Master' as the selected item, with other options including Site, Block, Building, Floor, Device, and Shift. The main content area is titled 'Add Patrol Site' and features a search bar, a 'Show 25 entries' dropdown, and a table. The table has three columns: 'Sno', 'Site Name', and 'Action'. A single entry is shown with 'Sno' 1 and 'Site Name' KLEC. The 'Action' column contains icons for edit, refresh, and delete. Below the table, it says 'Showing 1 to 1 of 1 entries'. At the bottom right of the table area, there are 'Previous', '1', and 'Next' pagination controls.

Sno	Site Name	Action
1	KLEC	  

Master Field

In Device screen, add or delete the beacon device information.

The screenshot shows the 'Master' field configuration screen in the Dynamo application. The interface includes a sidebar with navigation options and a main content area displaying a table of beacon device information.

Navigation Sidebar:

- Dashboard
- Water Tank
- Reports
- Message
- Add Master
- Contracts Monitoring
- Patrol Monitoring
- Master
- Site
- Block
- Building
- Floor
- Device
- Shift
- Check Points

Main Content Area:

Home

[Add Device](#)

Show entries

Search:

Sln	Device MACID	Device Name	Device Minimum Distance	Action
1	C3:00:00:0B:DD:A0	Device 3	5	Edit Info Delete
2	C3:00:00:0B:DD:9F	Device 2	5	Edit Info Delete
3	C3:00:00:0B:DD:9D	Device 1	5	Edit Info Delete
4	C3:00:00:0B:DD:A1	Demo_Device_01	10	Edit Info Delete
5	MACID004	E4 Device	40	Edit Info Delete
6	MACID003	C2 Device	35	Edit Info Delete
7	MACID001	A1 Device	40	Edit Info Delete
8	MACID002	B2 Device	30	Edit Info Delete

Showing 1 to 8 of 8 entries

Previous Next

Check Point Screen

Create a check point with appropriate site information and beacon device details.

Add Check Point

Check Point Name **Site Name**

Building Name **Floor**

Device Name **Block**

Check Point Type

Violation Configurations

Check Point Type

Patrol
Security
Patrol
Security
Both

- Select **Patrol** to set the check point behavior as **Patrol Monitoring**.
- Select **Security** to set the check point behavior as **Supervisor Monitoring**.

The screenshot shows the 'Add Check Point' form on the left, which is linked to a table of existing check points on the right. The table has columns for Sno, Check Point, Site, Building, Floor, Device, Block, Check Point Type, and Action. The 'Add Check Point' button in the top left of the table is highlighted with a red arrow pointing to the 'Check Point Type' field in the form above. The 'Check Point Type' dropdown in the form is also highlighted with a red box and a red arrow pointing to the 'Patrol' option in the dropdown list. The table contains 14 entries, with the first entry being 'BO_3 Check point 5' with type 'Security'.

Sno	Check Point	Site	Building	Floor	Device	Block	Check Point Type	Action
1	BO_3 Check point 5	KLEC	BO_3	3rd	Device 8	C Block	Security	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2	BO_3 Check point 4	KLEC	BO_3	2nd	Device 7	B Block	Patrol	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3	BO_3 Check point 3	KLEC	BO_3	1st Floor	Device 6	A Block	Patrol	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
4	BO_2 Check point 2	KLEC	BO_2	2nd	Device 5	B Block	Patrol	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
5	BO_2 Check point 1	KLEC	BO_2	1st Floor	Device 4	A Block	Security	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
6	BO_1 Check point 3	KLEC	BO_3	1st Floor	Device 3	A Block	Patrol,Security	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
7	BO_1 Check point 2	KLEC	BO_2	1st Floor	Device 2	A Block	Patrol,Security	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
8	BO_1 Check point 1	KLEC	BO_1	1st Floor	Device 1	A Block	Patrol,Security	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
9	ABC Check 5	KLEC	BO_3	2nd	E4 Device	C Block	Patrol,Security	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10	BO_1 Check point	KLEC	BO_1	1st Floor	E4 Device	A Block	Patrol	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
11	Check 3	KLEC	BO_2	2nd	E4 Device	C Block	Security	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
12	Check Point 1	KLEC	BO_2	1st Floor	Demo_Device_01	A Block	Security	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
13	ABC Check 1	KLEC	BO_3	2nd	B2 Device	B Block	Patrol	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
14	ABC Check 2	KLEC	BO_2	1st Floor	Demo_Device_01	B Block	Patrol	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Add Route

Route Name **Site Name**

Day **Route Start Time** **Route End Time**

Check Points

Route Master Screen

Create or modify the route detail and assign the List of check point for each route.

The screenshot shows the 'Route Master' screen in a web application. The left sidebar contains navigation options: Dashboard, Water Tank, Reports, Message, Add Master, Contracts Monitoring, Patrol Monitoring (selected), Master, Check Points, Route Master, Route Schedule, Reports, Employees, User, and Logout. The main content area shows a table of routes with the following data:

Sno	Route	Check Points	Site	Day	Route Start Time	Route End Time	Route created At	Action
1	Ho Office Route	BO_3 Check point 5, BO_3 Check point 4, BO_3 Check point 3, BO_2 Check point 2	KLEC	All	14:58	15:58	2024-02-21 08:28:36	
2	Office staff	Office	KLEC	All	09:30	20:02	2024-02-21 05:02:54	
3	Demo test_2	Check Point 1, ABC Check 2	KLEC	All	11:00	21:00	2024-02-02 08:53:14	
4	Demo test_1	Check Point 1, ABC Check 2	KLEC	All	09:00	10:00	2024-02-02 08:51:30	
5	Route 3 (BO3)	BO_3 Check point 5, BO_3 Check point 4, BO_3 Check point 3	KLEC	All	16:45	18:30	2024-01-31 07:29:43	
6	Route 2 (BO2 - BO3)	BO_3 Check point 4, BO_3 Check point 3, BO_2 Check point 2	KLEC	All	14:30	16:30	2024-01-31 07:27:13	
7	Route 1 (BO2)	BO_2 Check point 2, BO_2 Check point 1	KLEC	All	09:30	13:00	2024-01-30 08:06:39	
8	BO_1 Route 1	BO_1 Check point 3, BO_1 Check point 2, BO_1 Check point 1	KLEC	All	13:10	14:10	2024-01-17 06:41:13	
9	Route 3	Check Point 1	KLEC	All	06:46	21:46	2024-01-12 04:47:06	
10	A1 Route	Check Point 1, ABC Check 2	KLEC	Sunday,Monday,Tuesday,Wednesday,Thursday	22:06	22:06	2024-01-05 15:36:31	
11	Route 2	ABC Check 2	KLEC	Sunday,Monday,Tuesday,Wednesday	17:40	18:40	2024-01-05 11:10:40	

Add Route

Employee Name:

Shift Name:

Routes:

From Date:

To Date:

Day:

Route Start Time:

Route End Time:

Route Schedule Screen

Create or modify the route schedule and assign the List of routes for each employee.

Home

[Add Route Schedule](#)

Show 25 entries

Sno	Employee Name	Shift Name	Route Name	from Date	To Date	Start Time	End Time	Action
1	junwen	Day -9am to 530pm	Route 3 (BO3), Route 2 (BO2 - BO3), Route 1 (BO2)	26-02-2024	03-03-2024	10:51 AM	02:51 AM	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2	SI0001	Day -9am to 530pm	BO_1 Route 1	18-02-2024	29-02-2024	09:30 AM	06:30 PM	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3	MQTT 001	Day -9am to 530pm	Route 3 (BO3), Route 2 (BO2 - BO3), Route 1 (BO2)	11-02-2024	29-02-2024	09:30 AM	06:30 PM	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
4	elsan	Day -9am to 530pm	Route 3 (BO3), Route 2 (BO2 - BO3), Route 1 (BO2)	01-02-2024	10-02-2024	02:46 PM	03:46 PM	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
5	Security 003	Night	Demo test _ 2, Demo test _ 1, Route 3	01-02-2024	06-02-2024	02:40 AM	05:40 AM	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Showing 1 to 5 of 5 entries

Previous 1 Next

Add Employee

Employee Login Id: Employee Name: Shift:

Password: Confirm Password:

Site Name: Tag ID:

Job Title:

Add Master Water Tank Reports

Message User

Contracts Monitoring Patrol Monitoring

Employee Screen

- Create or modify the employee credentials and assign the appropriate site, job title and type of data access by each employee .
- Based on Employee Job Title and selected data access button the user access can be controlled on mobile application.

Select type of data's can be access by the employee and based on that employee can access mobile app.

Dynamo

dhamu.space

Home

[Add Employee](#)

Show 25 entries

Sno	Employee Login Id	Employee Name	Site	Tag ID	Job Title	Action
1	junwen	junwen	KLEC	junwen001	Patrol	✓ 🔄 🗑️
2	mqtt001	MQTT 001	KLEC	MQTT001	Patrol	✓ 🔄 🗑️
3	SI0001	SI0001	KLEC	Tag 0001	Patrol	✓ 🔄 🗑️
4	SI 010	Security 010	KLEC	SI 010	Patrol	✓ 🔄 🗑️
5	SI 008	Security 008	KLEC	09	Patrol	✓ 🔄 🗑️
6	SI 003	Security 008	KLEC	TAG 004	Security	✓ 🔄 🗑️
7	SI001	Security 003	KLEC	Tag 002	Patrol	✓ 🔄 🗑️

Showing 1 to 7 of 7 entries

Previous 1 Next

Attendance Report Screen

- Attendance report screen show ClockIn and ClockOut time detail for each employee with report filter options.

The screenshot displays the 'Attendance Report Screen' within the 'Dynamo' application. The interface includes a dark sidebar on the left with navigation options: Dashboard, Water Tank, Reports, Message, Add Master, Contracts Monitoring, Patrol Monitoring (highlighted), Master, Check Points, Route Master, Route Schedule, Reports (expanded), Attendance Report (selected), Patrol Report, and Employees. The main content area features a search bar, filter options for Employee Name, Start Date, and End Date, and a table of attendance records. The table has columns for Sno, Date, Employee Name, Shift, Clock In Time, Clock Out Time, and Total Working Hrs. A single record is shown for Supervisor_001 on 2024-02-26. The interface also includes a 'Showing 1 to 1 of 1 entries' message and pagination controls.

Employee Name: Select Employee Name (dropdown)
Start Date: dd/mm/yyyy (calendar icon)
End Date: dd/mm/yyyy (calendar icon) [Filter] [Clear]

Show 25 entries

Sno	Date	Employee Name	Shift	Clock In Time	Clock Out Time	Total Working Hrs
1	2024-02-26 09:00:00	Supervisor_001	Day -9am to 530pm	11:37 AM	11:40 AM	00:03

Showing 1 to 1 of 1 entries

Previous [1] Next

Patrol Report Screen

- Patrol report shows each check point checkIn or checkOut time and device distance with respect to each routes assigned to the employee.

Patrolled report for each check point :

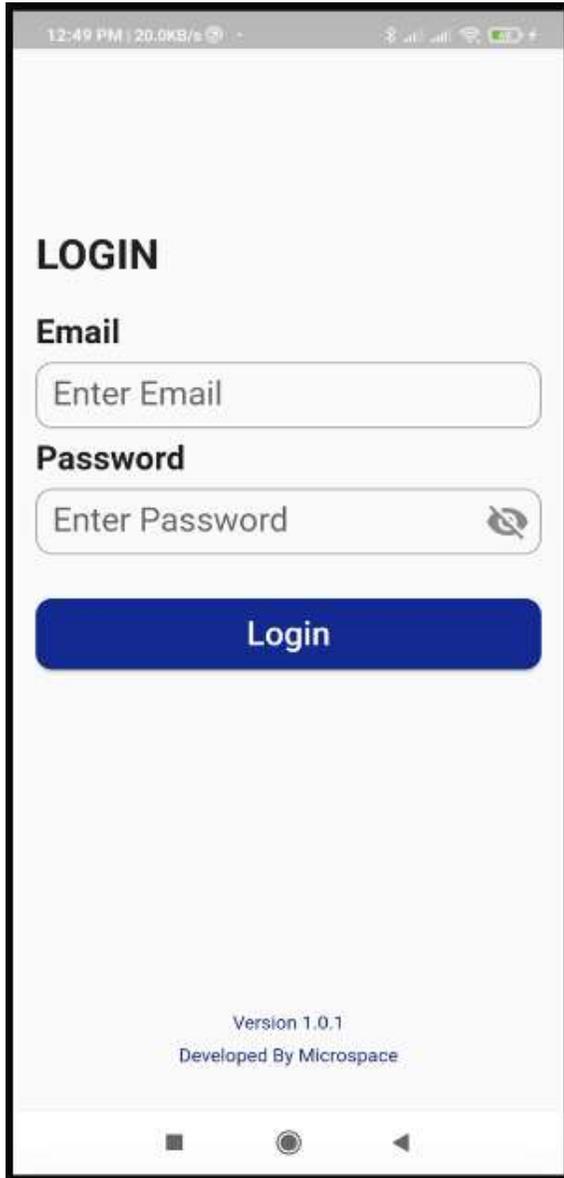
Position - 1 : when check point beacon device detected on app.
Position - 2 : when security within the check point minimum range (CheckIn reading).

Position - 3 : when security left the check point minimum range (CheckOut reading).

Position - In_x / Out_x : It indicate the check-In and check-out data for Supervisor Monitoring.

Sno	Route_Date	Route	Employee Name	Shift	Visited Order	Check Points	Device MACID	Device Name	Position	Time
1	26-02-2024 09:00:00	Demo test_ 1	Supervisor_001	Day -9am to 530pm	2	Check Point 1	C3:00:00:08:DD:A1	Demo_Device_01	3	12:08 PM
2	26-02-2024 09:00:00	Demo test_ 1	Supervisor_001	Day -9am to 530pm	2	Check Point 1	C3:00:00:08:DD:A1	Demo_Device_01	2	11:47 AM
3	26-02-2024 09:00:00	Demo test_ 1	Supervisor_001	Day -9am to 530pm	2	Check Point 1	C3:00:00:08:DD:A1	Demo_Device_01	1	11:46 AM
4	26-02-2024 09:00:00	supervisor_office_1	Supervisor_001	Day -9am to 530pm	1	supervisor_point_1	C3:00:00:08:DD:A1	Demo_Device_01	Out_3	11:40 AM
5	26-02-2024 09:00:00	supervisor_office_1	Supervisor_001	Day -9am to 530pm	1	supervisor_point_1	C3:00:00:08:DD:A1	Demo_Device_01	In_3	11:39 AM
6	26-02-2024 09:00:00	supervisor_office_1	Supervisor_001	Day -9am to 530pm	1	supervisor_point_1	C3:00:00:08:DD:A1	Demo_Device_01	Out_2	11:39 AM
7	26-02-2024 09:00:00	supervisor_office_1	Supervisor_001	Day -9am to 530pm	1	supervisor_point_1	C3:00:00:08:DD:A1	Demo_Device_01	In_2	11:39 AM
8	26-02-2024 09:00:00	supervisor_office_1	Supervisor_001	Day -9am to 530pm	1	supervisor_point_1	C3:00:00:08:DD:A1	Demo_Device_01	Out_1	11:39 AM
9	26-02-2024 09:00:00	supervisor_office_1	Supervisor_001	Day -9am to 530pm	1	supervisor_point_1	C3:00:00:08:DD:A1	Demo_Device_01	In_1	11:38 AM
10	26-02-2024 09:00:00	supervisor_office_1	Supervisor_001	Day -9am to 530pm	1	supervisor_point_1	C3:00:00:08:DD:A1	Demo_Device_01	3	11:40 AM
11	26-02-2024 09:00:00	supervisor_office_1	Supervisor_001	Day -9am to 530pm	1	supervisor_point_1	C3:00:00:08:DD:A1	Demo_Device_01	2	11:38 AM
12	26-02-2024 09:00:00	supervisor_office_1	Supervisor_001	Day -9am to 530pm	1	supervisor_point_1	C3:00:00:08:DD:A1	Demo_Device_01	1	11:37 AM
13	26-02-2024 09:00:00	Demo test_ 1	Supervisor_001	Day -9am to 530pm	2	Check Point 1	C3:00:00:08:DD:A1	Demo_Device_01	3	11:39 AM
14	26-02-2024 09:00:00	Demo test_ 1	Supervisor_001	Day -9am to 530pm	2	Check Point 1	C3:00:00:08:DD:A1	Demo_Device_01	2	11:38 AM
15	26-02-2024 09:00:00	Demo test_ 1	Supervisor_001	Day -9am to 530pm	2	Check Point 1	C3:00:00:08:DD:A1	Demo_Device_01	1	11:37 AM
16	26-02-2024 09:00:00	Demo test_ 1	Supervisor_001	Day -9am to 530pm	2	Check Point 1	C3:00:00:08:DD:A1	Demo_Device_01	3	11:35 AM
17	26-02-2024 09:00:00	Demo test_ 1	Supervisor_001	Day -9am to 530pm	2	Check Point 1	C3:00:00:08:DD:A1	Demo_Device_01	2	11:34 AM

Mobile Application

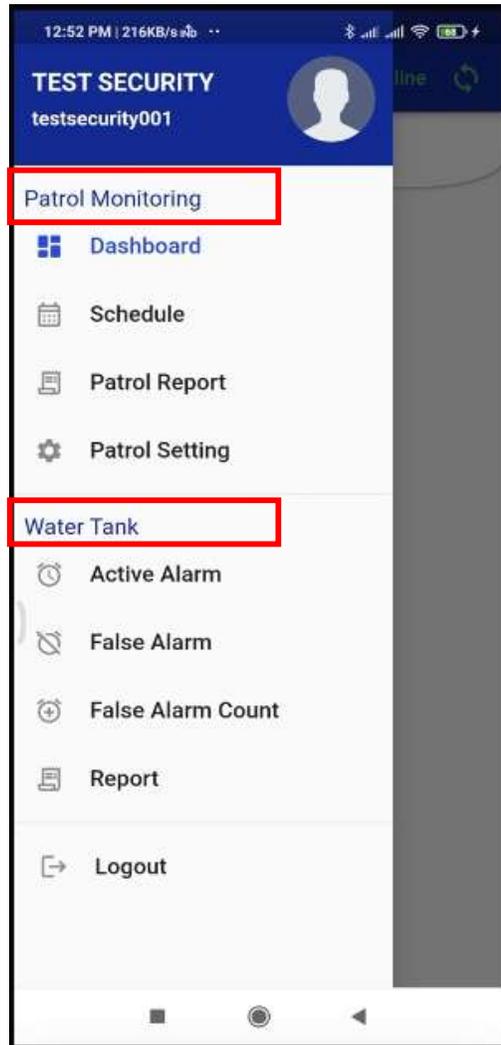


Login Screen

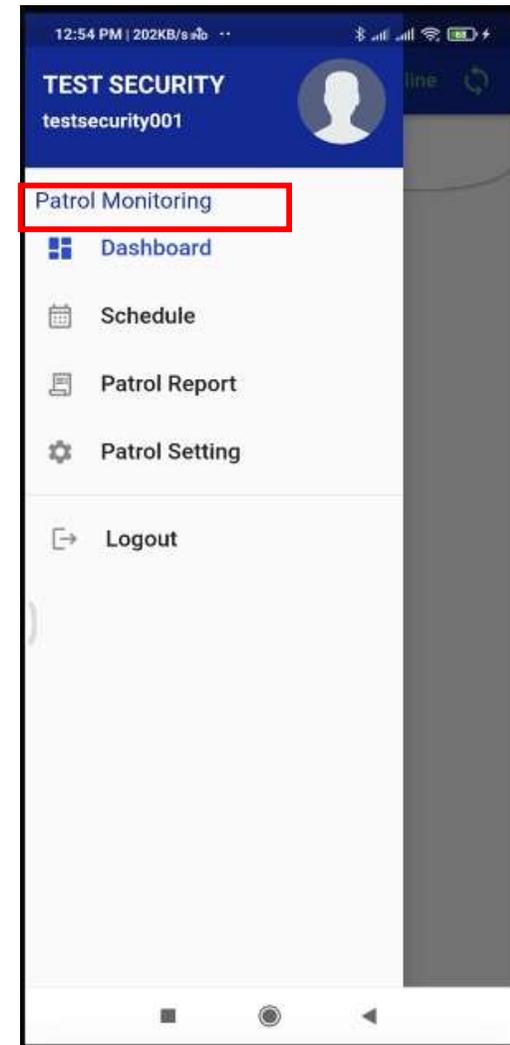
- User can Login with registered Employee credential on web which is created by Admin.
- Based on employee Job Title registered on web the user can access either patrol monitoring or water tank monitoring or access both.

Dashboard - Drawer

Employee have access on both Patrol Monitoring and Water Tank Monitoring.

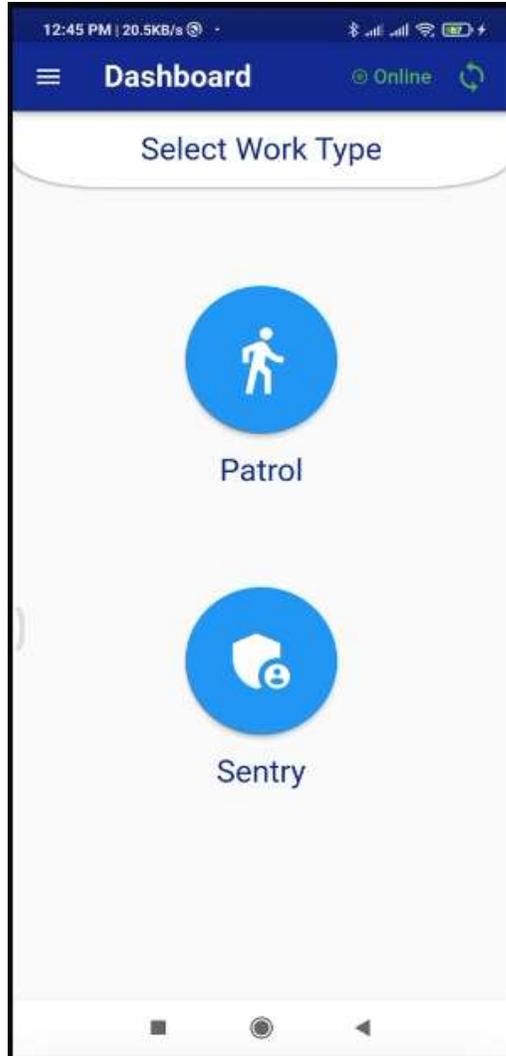


Employee have access on only Patrol Monitoring.

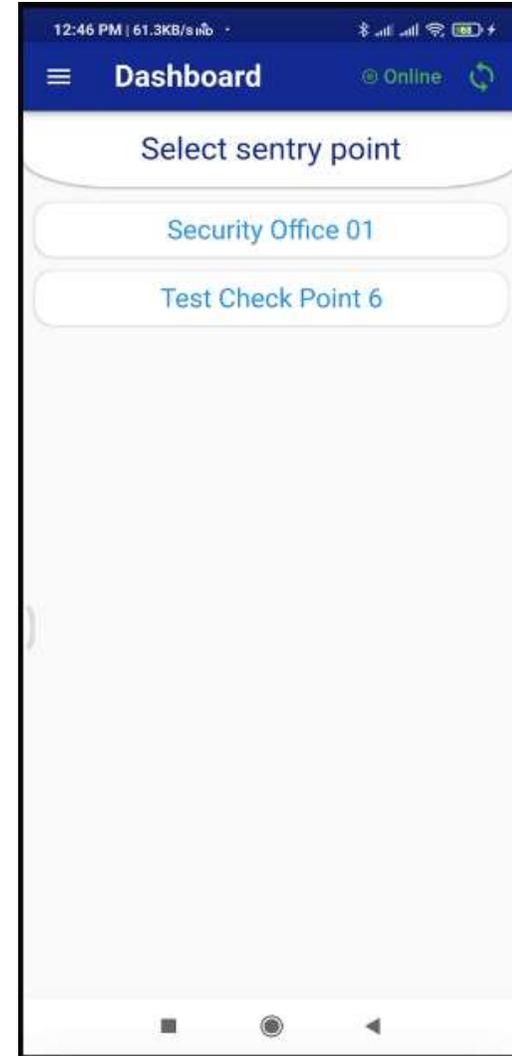


Work Type Selection Screens

Dashboard



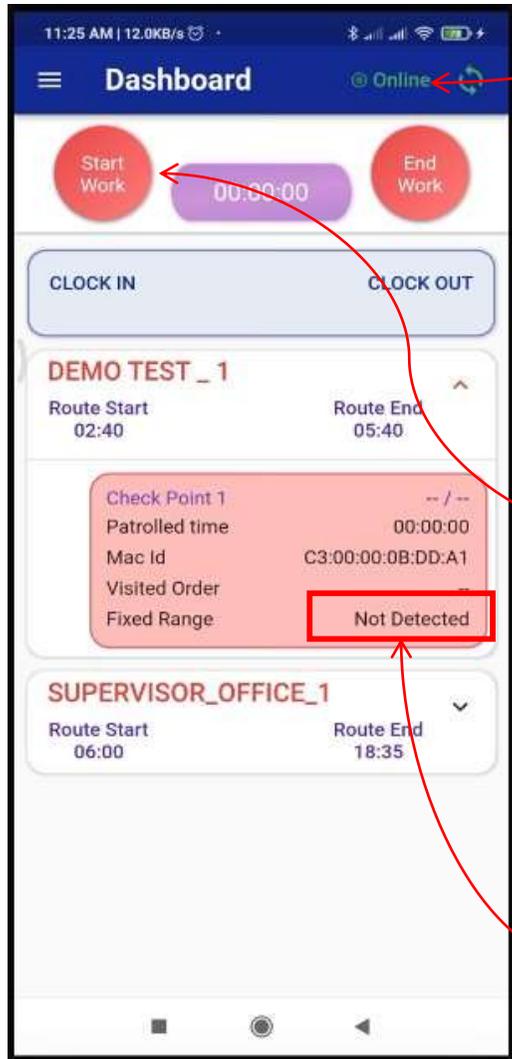
Step - 1



Step - 2

Patrol Monitoring Screens

Dashboard



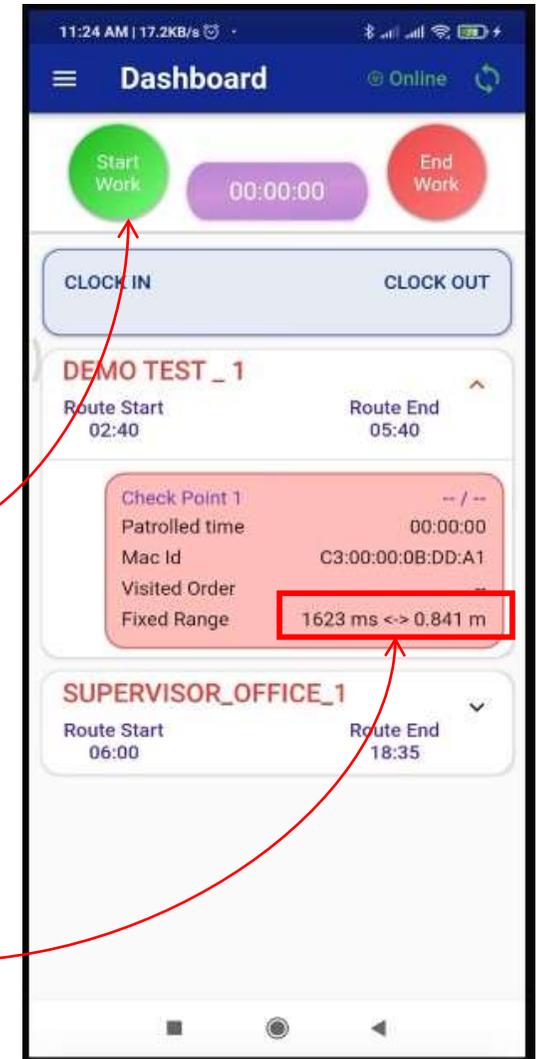
Step - 1

Internet Connectivity Indicator :
Red - when device has no internet connectivity
Green - when device has connected with wifi connection or network internet connection

Clock-In Button :
Red - when not clockIn and none of the approved beacon devices are detected within the current location,
Green - If any one of the beacon form the approved beacon devices is detected and ready for clockIn.

Approved Beacon device not detected

Approved Beacon device is detected



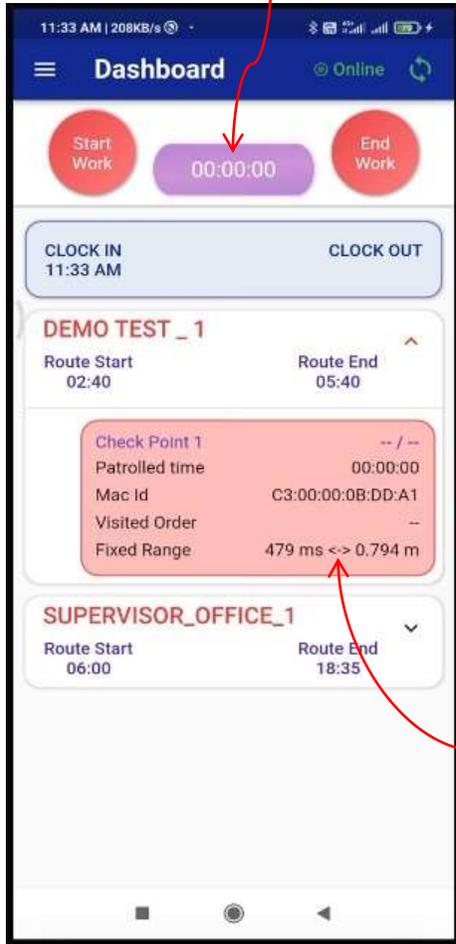
Step - 2

Dashboard (Patrol point Monitoring)

Timer to show total working hours in between each clock-In to Clock-Out

Clock-Out Button :
Red - when all check point in the scheduled route is not complete
Green - when all check point in the scheduled route is complete and ready for Clock-Out

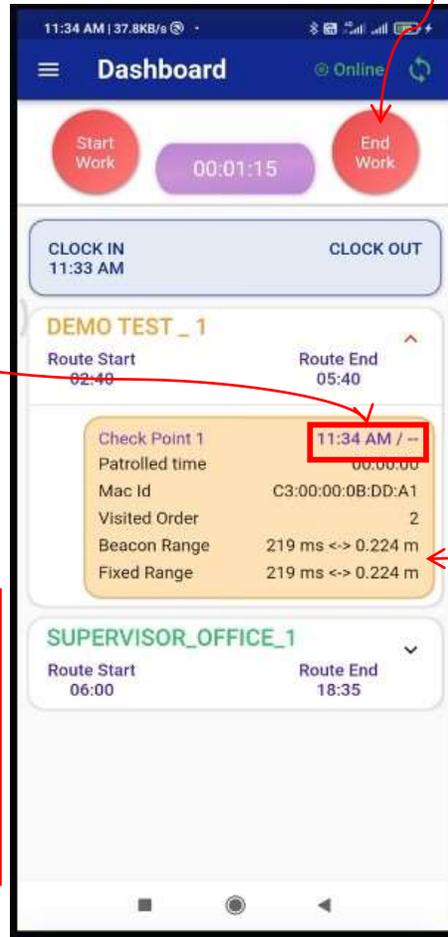
Sync Button :
Red - When data stored in local device need to update with server.
Green - when all data stored in local updated to server



Step - 3

Check-In Time

Red - Check Point need to visit or When Beacon device not detected or not with in the minimum range

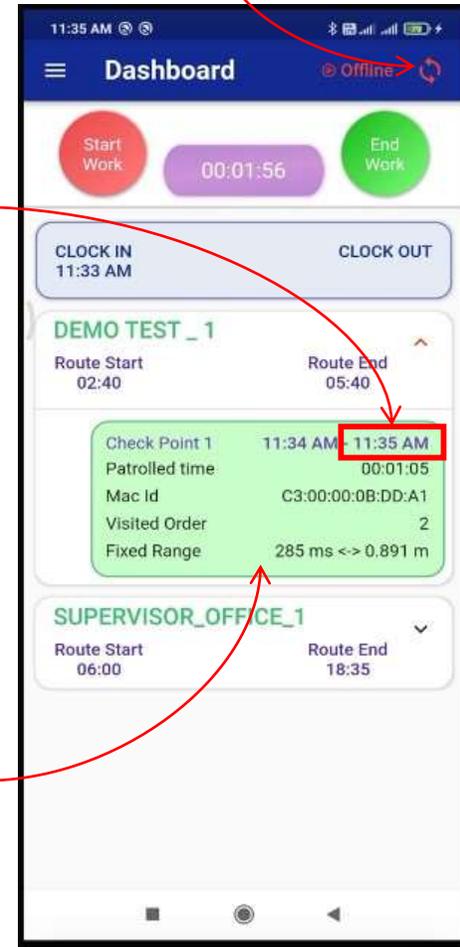


Step - 4

Check-Out Time

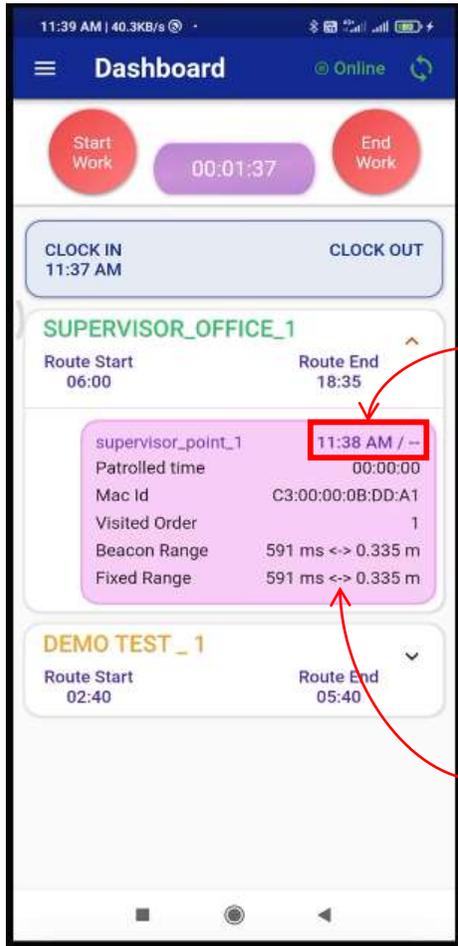
yellow - When Beacon device is with in the minimum range

Green - When visited and left the check point



Step - 5

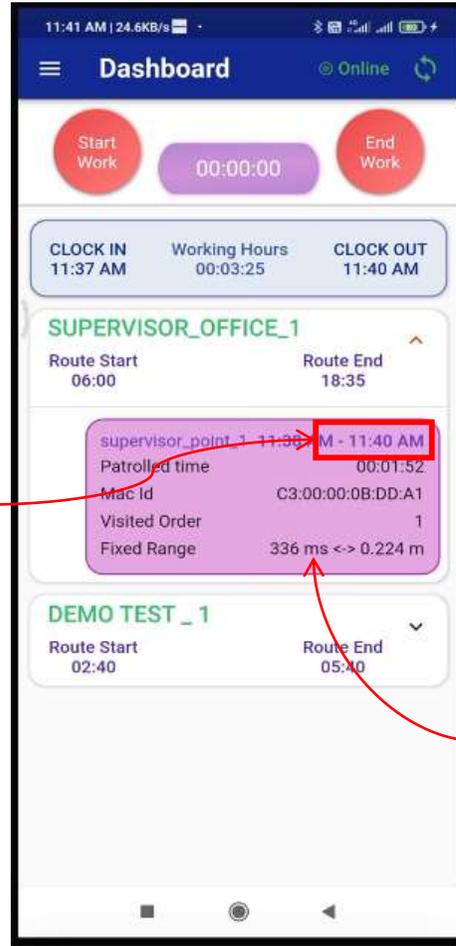
Dashboard (Sentry Point Monitoring)



First Check-In Time

Light Purple - It is supervisor monitor check point, it store employee entry time and exit time continuously until Clock-Out

Step - 6

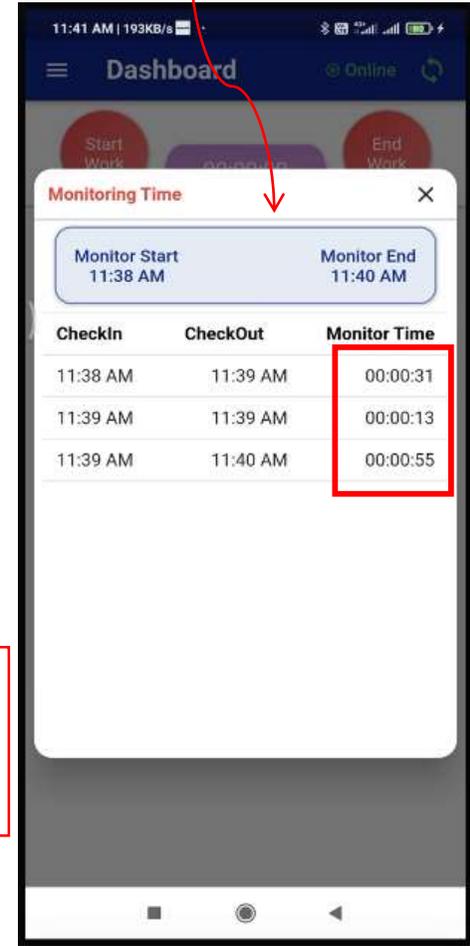


Last Check-Out Time

Purple - When stop monitoring after employee Clock-Out

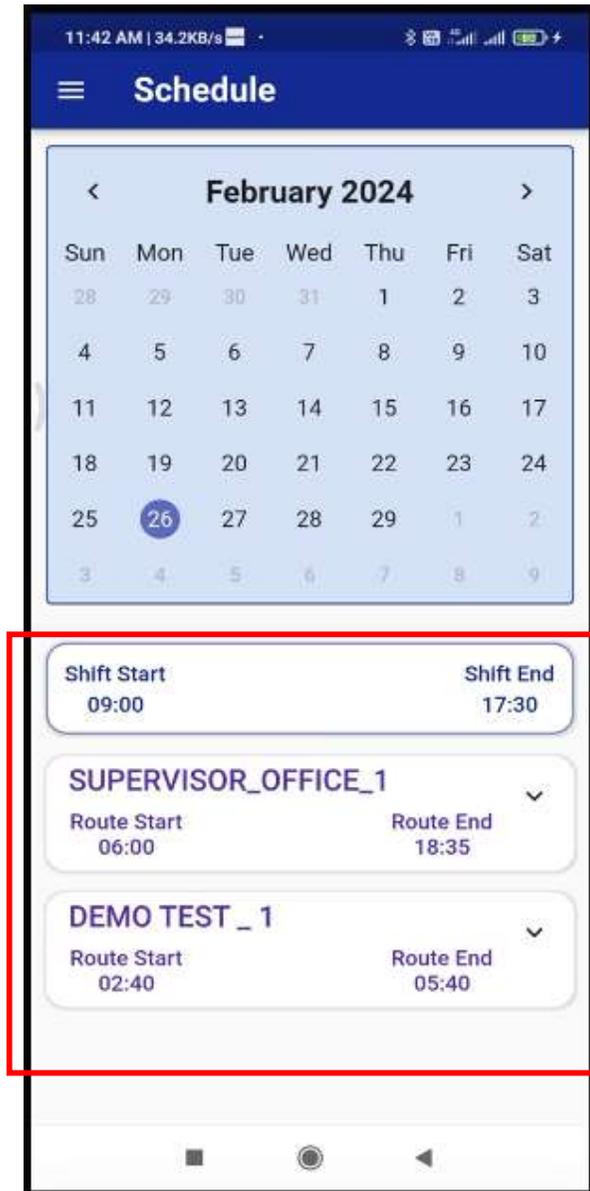
Step - 7

Monitoring Time dialog box:
On tap the supervisor check point to see the time spend by the employee on that check point

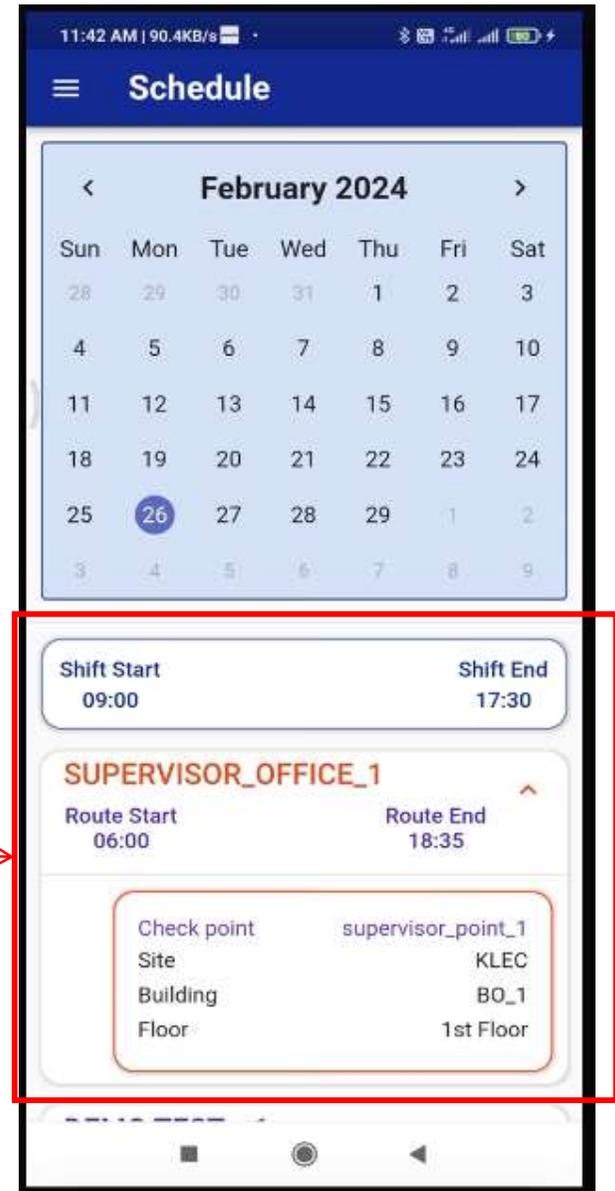


Step - 8

Schedule Screen



Based on selected date show scheduled routes and check point info assigned for each routes



Patrol Report Screen

The screenshot displays a mobile application interface for a Patrol Report. At the top, the status bar shows the time as 11:44 AM and data usage as 38.8KB/s. The app title is "Patrol Report". Below the title, there is a "Select date" field with the date 26 / 02 / 2024. A summary row shows "CLOCK IN 11:37 AM", "Working Hours 00:03:25", and "CLOCK OUT 11:40 AM". Below this, there are two route entries: "SUPERVISOR_OFFICE_1" with Route Start 06:00 and Route End 18:35, and "DEMO TEST_1" with Route Start 02:40 and Route End 05:40. A green box highlights a check point entry: "Check Point 1" at 11:38 AM / 11:39 AM, with a "Patrolled time" of 00:00:31 and a "Visited order" of 2. Red callout boxes with arrows point to the "CLOCK IN 11:37 AM" field, the "Working Hours 00:03:25" field, the "CLOCK OUT 11:40 AM" field, and the "Patrolled time 00:00:31" field.

Clock-In Time

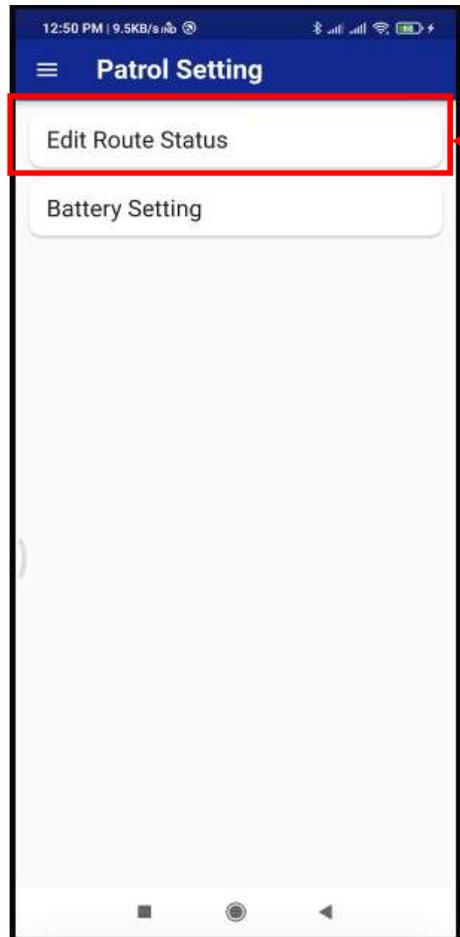
Employee total working hours

Clock-Out Time

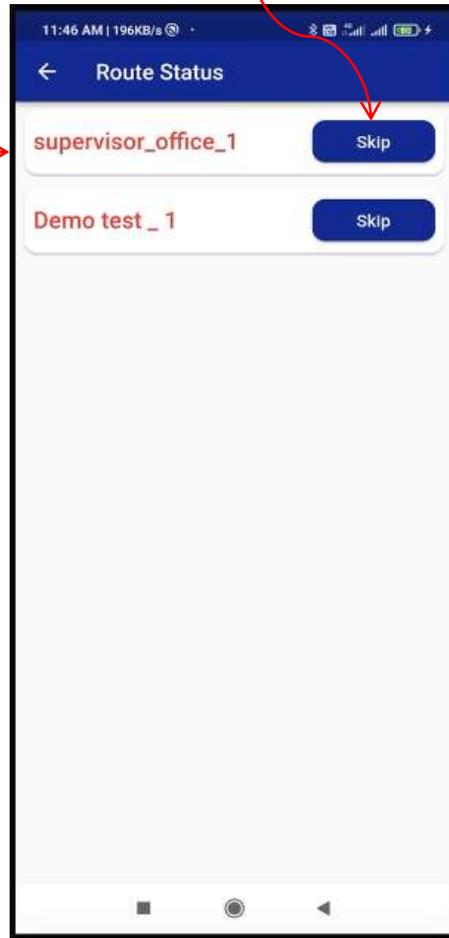
Patrolled time - Total time spend on respective check point

Field	Value
Clock In Time	11:37 AM
Employee total working hours	00:03:25
Clock Out Time	11:40 AM
Patrolled time (Check Point 1)	00:00:31

Patrol Setting Screen

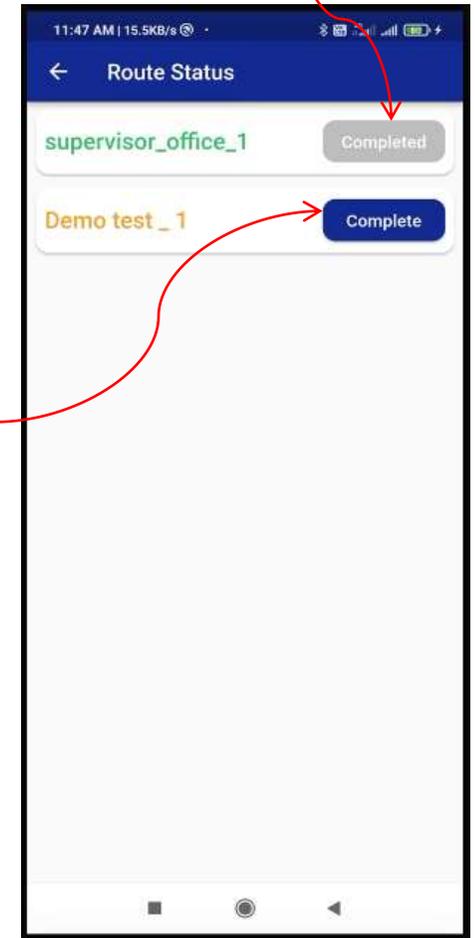


Red - Skip the all check point in the Route before start the patrol



Step - 1

Green - All patrol check points in the Route was completed

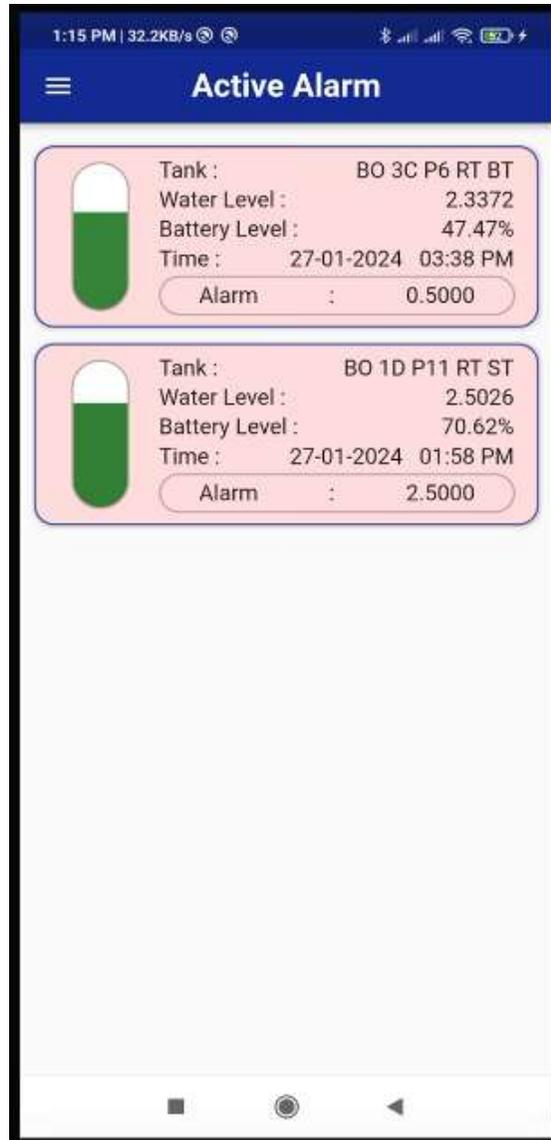


yellow - To complete the current active Route when if any necessary skip pending check point or if in case of beacon device issues.

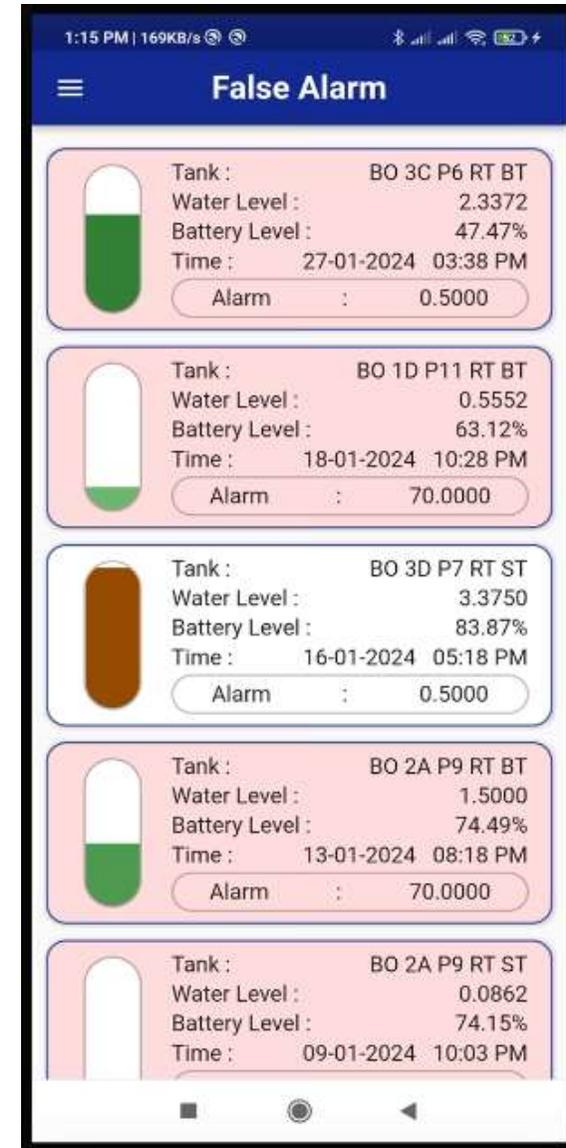
Step - 2

Water Tank Monitoring Screens

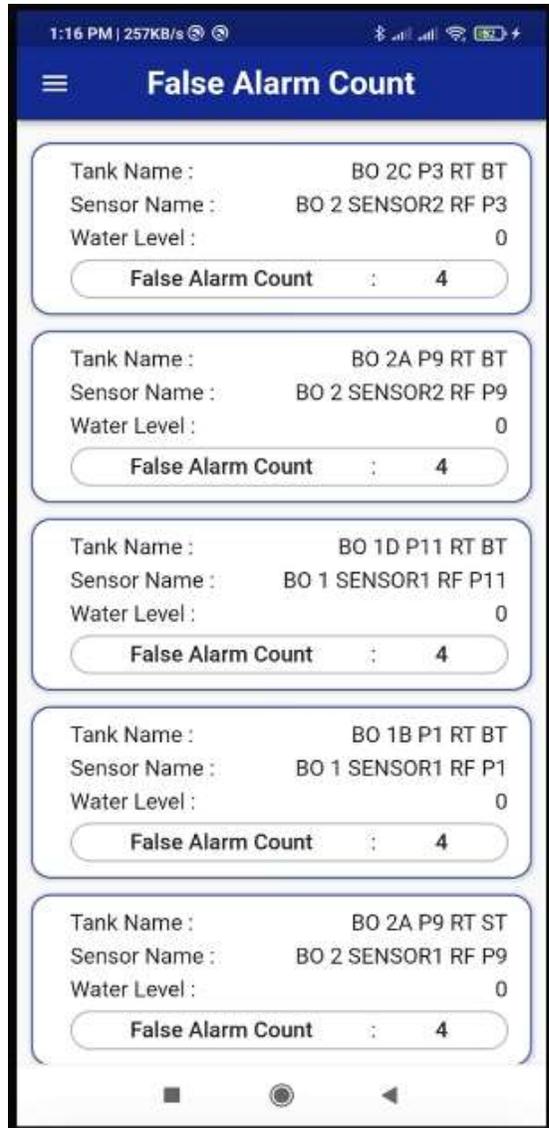
Active Alarm Screen



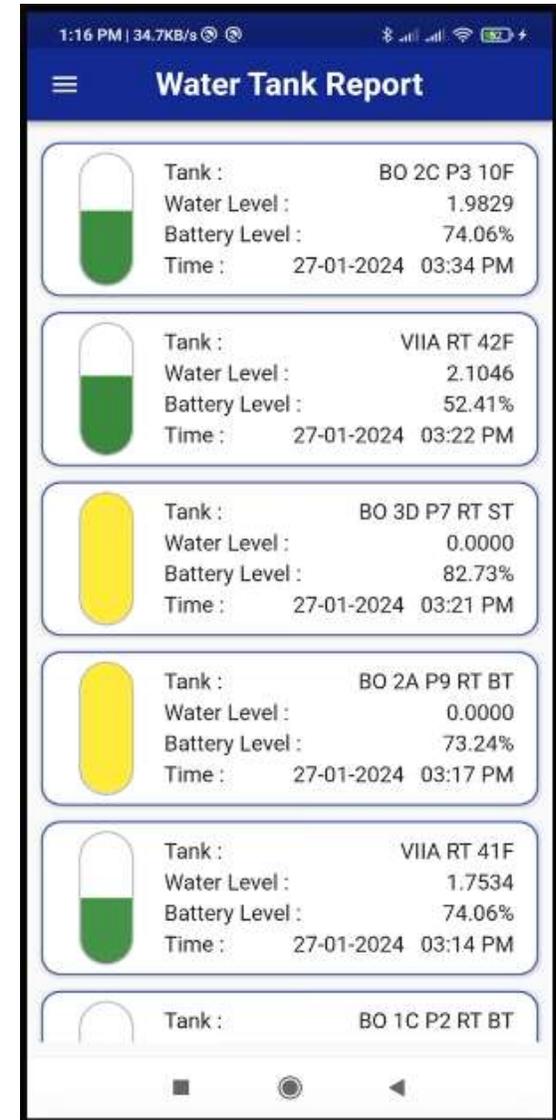
False Alarm Screen



False Alarm Count Screen



Water Tank Report Screen



Thank You