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# GEARUP+

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February 2024



# GEARUP+ INTRODUCTION

## UNDERSTANDING ENTERPRISE NEEDS

Essential aspects of any workplace.

- ✓ Workforce Safety
- ✓ Productivity
- ✓ Wellness

### GearUP+

- ✓ Safer Work Environment.
- ✓ Healthier Workforce
- ✓ Positive Work Culture
- ✓ Improved Efficiency
- ✓ Satisfied Customers



Workplace hazards  
Delayed help  
Location unawareness



Remote management  
Communication challenges  
Inefficient task scheduling



Fatigue  
Dehydration  
Mental stress

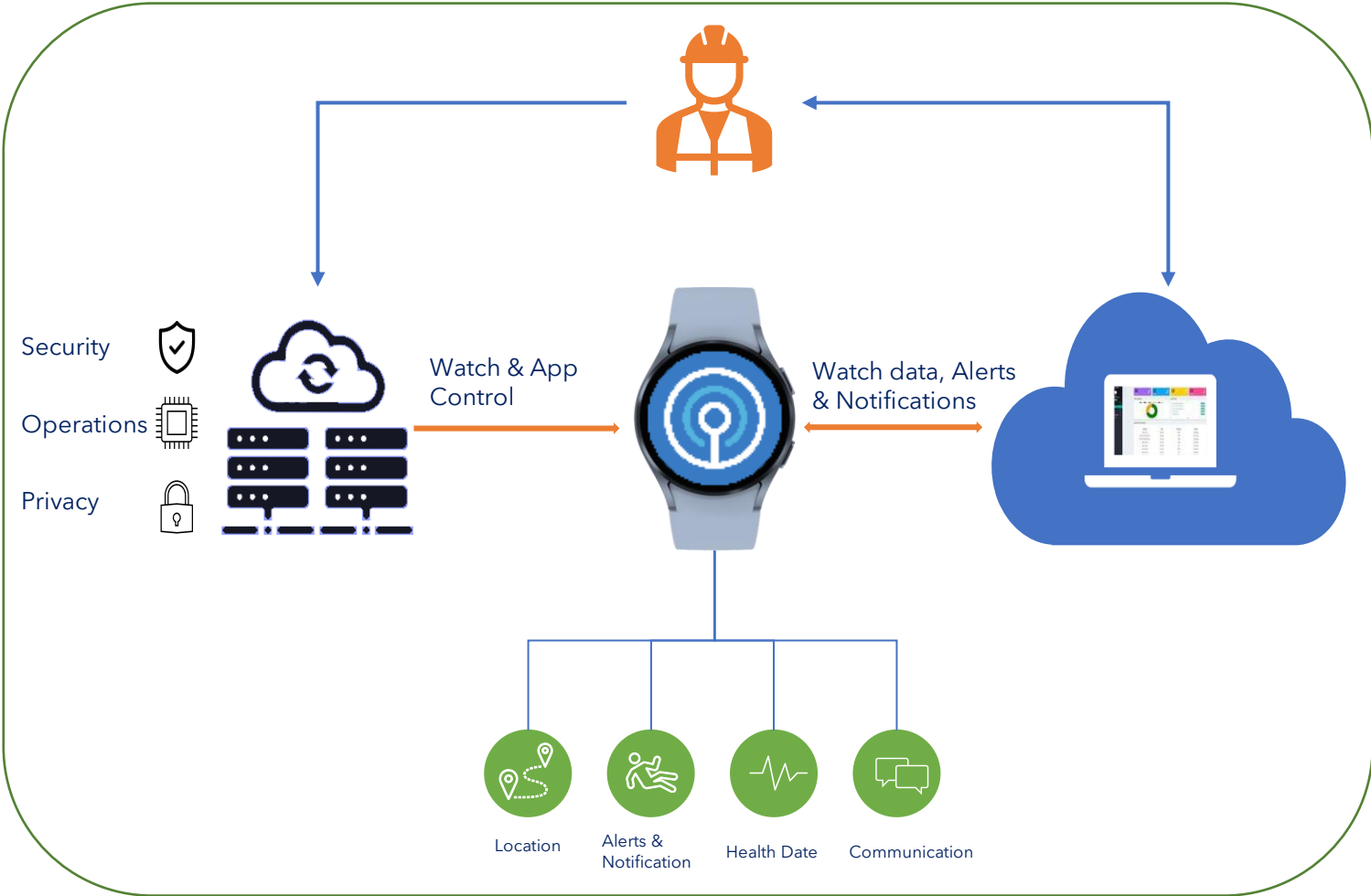
# GEARUP+ INTRODUCTION

## SAFETY, PRODUCTIVITY, WELLNESS

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## GearUP+ Environment



## Enterprise Applications

### Integration with:

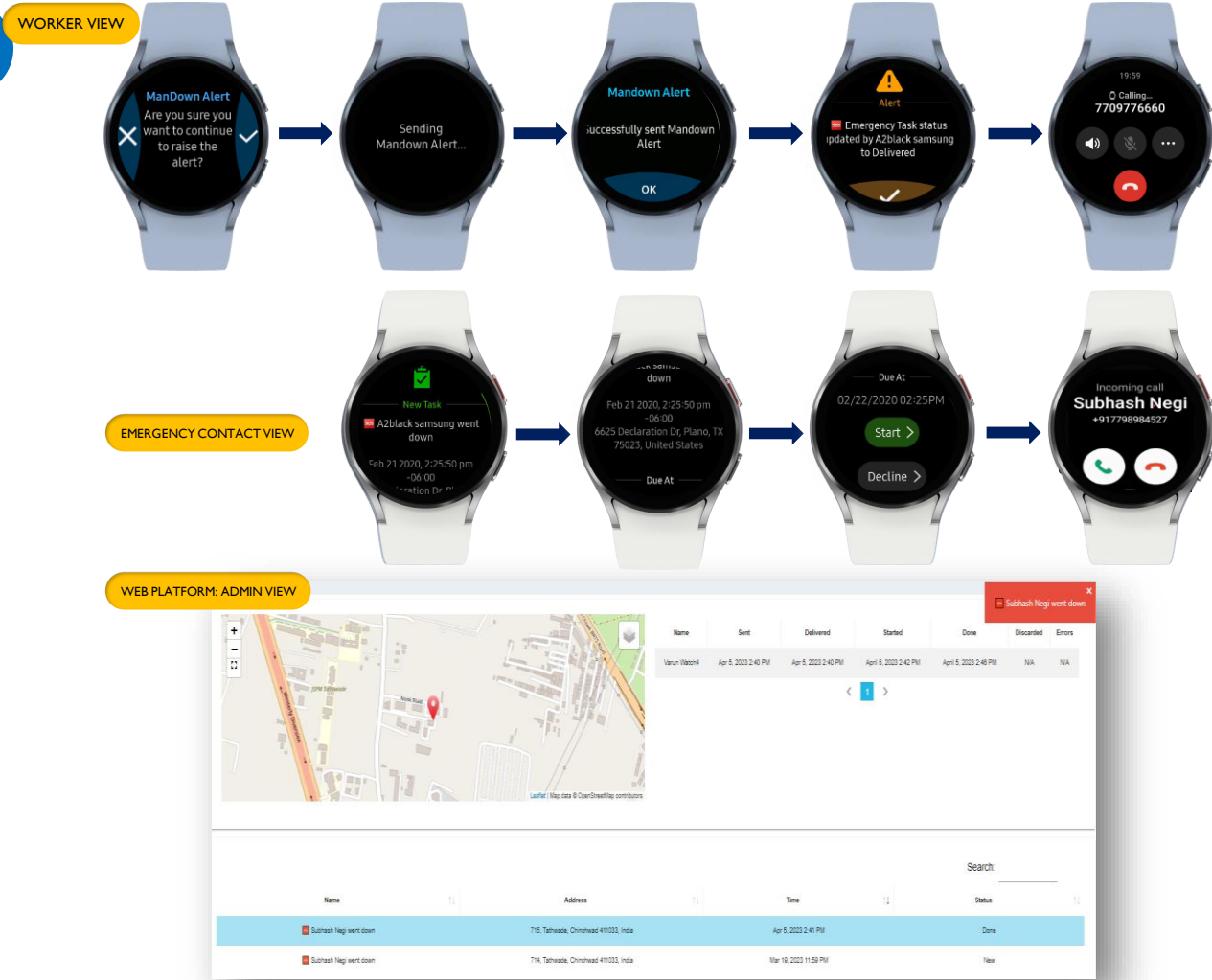
- Enterprise Application
- Industrial IoT
- Hospitality
- Retail
- Safety Systems
- HealthCare Platforms



# MAN DOWN & AUTO FALL DETECTION

## MAN DOWN & AUTO FALL DETECTION

- Emergency alert & notification.
- Auto fall detection & manual trigger.
- Man-Down alert with worker location.
- Automatic handsfree call to emergency contact.
- Man-Down alert on admin dashboard with location
- Live location on map.
- Real-time status update on dashboard
- Voice and Text messaging
- Man-Down event historical data





# GearUP+ Features - Workplace Safety

## MAN DOWN - DEMO

WORKER WATCH

GearUP
DASHBOARD
WEB PLATFORM: ADMIN VIEW
HGEARUP\_PU\_TESTING S

- MAN DOWN
- USERS
- COMMUNICATION
- LOCATION
- INDOOR POSITIONING
- TASKS
- GROUPS
- SETTINGS

Users  
59  
Total

Groups  
10  
Total

Tasks  
6  
Total

GeoFence  
2  
Total

Tasks

Priority Tasks

Check the machine valve	●
Mani	●
testing of task	●
Pickup supplies	●
pickup courier	●

Latest Geo Fence Events

Geo Fence	User	Event Type	Time
Geofence22	Harsh Jack	EXIT	Jan 31, 2024 9:41 PM
Geofence22	Harsh Jack	ENTRY	Jan 31, 2024 9:38 PM
Geofence22	Harsh Jack	EXIT	Jan 31, 2024 9:32 PM
Geofence22	Harsh Jack	ENTRY	Jan 31, 2024 9:29 PM

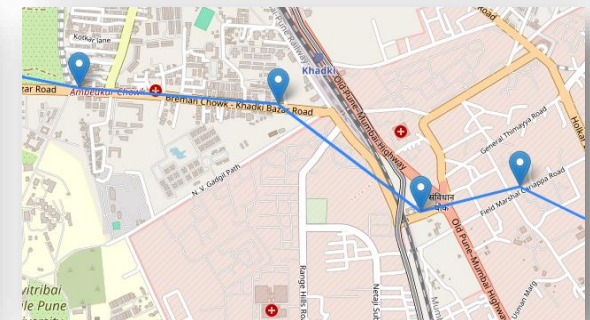
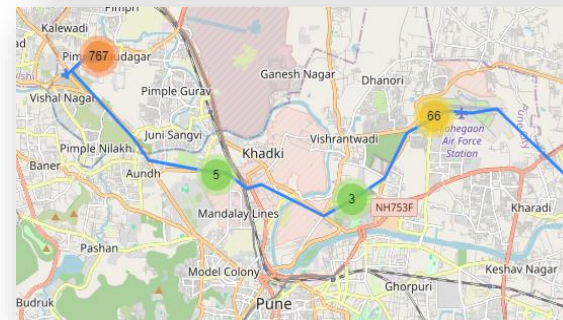
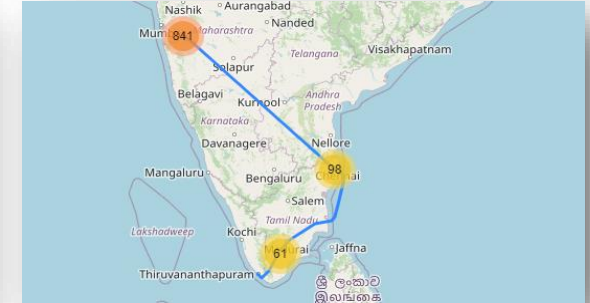
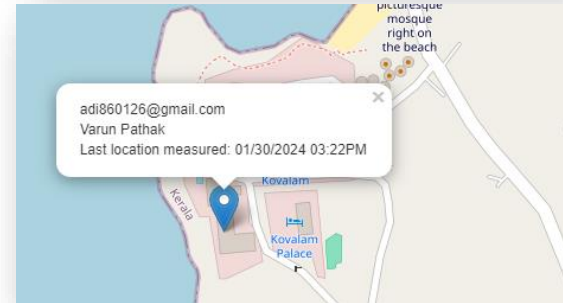
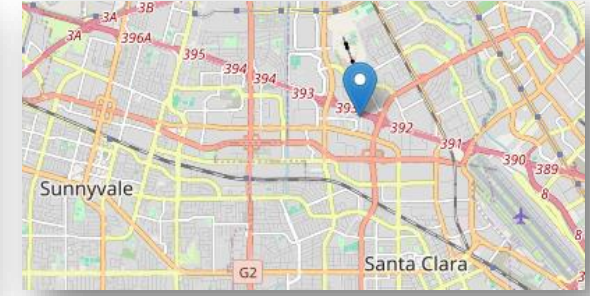
EMERGENCY CONTACT WATCH

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## LOCATION SERVICE - OUTDOOR

- GearUp+ keep the track of worker location.
- Location service provides
  - Last Location
  - Location History
- Last Location
  - Worker last location on dashboard
  - Last location with timestamp.
- Location History
  - Search worker location history
  - Filers:
    - By Worker
    - By Time
  - Pinpoint location on Map





# GearUP+ Features - Workplace Safety

## LOCATION SERVICE - DEMO



The screenshot displays the GearUP Dashboard interface. At the top, the browser address bar shows 'https://dev.hgearup.com'. The dashboard header includes the 'GearUP' logo, the word 'DASHBOARD', and a user profile icon labeled 'HARMAN\_GEARUP\_DEMO'. A left-hand navigation menu lists: DASHBOARD, MAN DOWN, USERS, COMMUNICATION, LOCATION, TASKS, GROUPS, WEATHER ALERTS, and SETTINGS.

The main dashboard area features four summary cards at the top:

- Users:** 5 Total
- Groups:** 2 Total
- Tasks:** 17 Total
- GeoFence:** 3 Total

Below these cards are three main sections:

- Tasks:** A donut chart showing task status distribution. The legend indicates: New (blue), Started (orange), Done (green), Overdue (red), and Discarded (yellow).
- Priority Tasks:** A list of tasks with status indicators (red or green dots):
  - Unload consignment (red dot)
  - Temp monitoring (red dot)
  - Software upgrade (red dot)
  - Server Reboot (red dot)
  - Pressure check (green dot)
- Latest Geo Fence Events:** A table with the following data:

Geo Fence	User	Event Type	Time
New Geofence	Subhash Negi	EXIT	Apr 28, 2023 2:17 AM
New Geofence	Subhash Negi	ENTRY	Apr 28, 2023 2:17 AM
New Geofence	Subhash Negi	EXIT	Apr 28, 2023 2:15 AM
New Geofence	Subhash Negi	ENTRY	Apr 28, 2023 2:14 AM

# GearUP+ Features - Workplace Safety

## LOCATION SERVICE - INDOOR

### LOCATION SERVICE - INDOOR

- Indoor positioning offers the ability to locate users where GPS is unavailable
- Indoor location tracking using BLE beacons.
- Indoor location tracking provides
  - Last location
  - Location history.

**ADD BEACON**

Mac Address	X	Y	Major	Minor	Tag
00:A0:50:5E:E2:5C	4	6.5	2	3	B3
00:A0:50:5E:E2:4C	6	6.5	2	3	B4
00:A0:50:4D:36:A3	6	2.1	2	3	B2
00:A0:50:4D:36:A0	4	2.1	2	3	B1

Site: AeroFlow Zone: Wing Assembly Area

Show 10 entries

Search: \_\_\_\_\_

Name	Zone
John Doe	Wing Assembly Area, AeroFlow
Harsh Jack	Wing Assembly Area, AeroFlow
Shardul Watch6	Wing Assembly Area, AeroFlow

Showing 1 to 3 of 3 entries

< 1 >

User: Shardul Watch6 (user11@dem...)

Start Date: 2023-11-24 17:08

End Date: 2023-11-27 18:08

**RESET** **SEARCH**

Show 10 entries

Search: \_\_\_\_\_

Sr. No.	Beacon	MeasuredAt
1	00:A0:50:5E:E2:4C	Nov 27, 2023 4:23 PM
2	00:A0:50:4D:36:A0	Nov 26, 2023 7:34 AM
3	00:A0:50:4D:36:A0	Nov 26, 2023 7:32 AM
4	00:A0:50:4D:36:A0	Nov 26, 2023 7:30 AM

# GearUP+ Features - Workplace Safety

## OUTDOOR GEO FENCING

### OUTDOOR GEO FENCING

- Virtual geographic fence around physical location on a map
- Worker entry & exist notifications.
- Real-time updates on dashboard.
- Entry / Exit historical data on dashboard
- Send message to all users inside / outside geofenced area.



WATCH: ADMIN VIEW



Name	Actions
New Office	
HARMAN MV Office	
Samsung Research America	

Showing 1 to 3 of 3 entries

< 1 >



# GearUP+ Features - Workplace Safety

## INDOOR GEO FENCING

### INDOOR GEO FENCING

- Virtual geographic fence around physical location on a map
- Worker entry & exist notifications.
- Real-time updates on dashboard.
- Entry / Exit historical data on dashboard
- Send message to all users inside / outside geofenced area.

**ZONE OCCUPANCY** HGEARUP\_PU\_TESTING

Select Indoor Site: AeroFlow | Select Indoor Zone: Wing Assembly Area | Select Indoor Geofence: GF-Machine Shop

MESSAGE OUTSIDE | MESSAGE INSIDE

Name	TI	Axis(X,Y)	TI	Event	Time	TI
Harsh Jack		5.115, 4.047		entry	Aug 31, 2023 1:36 PM	
John Doe		5.115, 4.047		entry	Aug 31, 2023 1:36 PM	
Harsh Jack		5.115, 6.5		exit	Aug 31, 2023 1:34 PM	
John Doe		4.885, 6.5		exit	Aug 31, 2023 1:34 PM	

**WATCH: ADMIN VIEW**



# GearUP+ Features

## GEO FENCING - DEMO

**GearUP** DASHBOARD HGEARUP\_PU\_TESTING S

- DASHBOARD
- MAN DOWN
- USERS
- COMMUNICATION
- LOCATION
- INDOOR POSITIONING
- TASKS
- GROUPS
- SETTINGS

**Users** 58 Total

**Groups** 9 Total

**Tasks** 6 Total

**GeoFence** 1 Total

**Tasks**

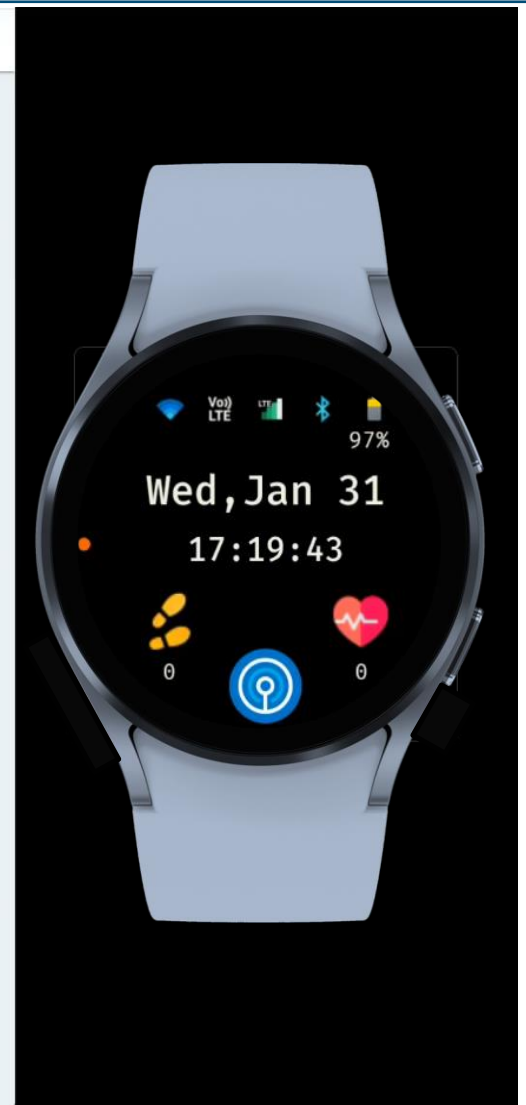
- New
- Started
- Done
- Overdue
- Discarded

**Priority Tasks**

Check the machine valve	●
Mani	●
testing of task	●
Pickup supplies	●
pickup courier	●

**Latest Geo Fence Events**

Geo Fence	User	Event Type	Time
Geofence22	Harsh Jack	ENTRY	Jan 31, 2024 5:18 PM

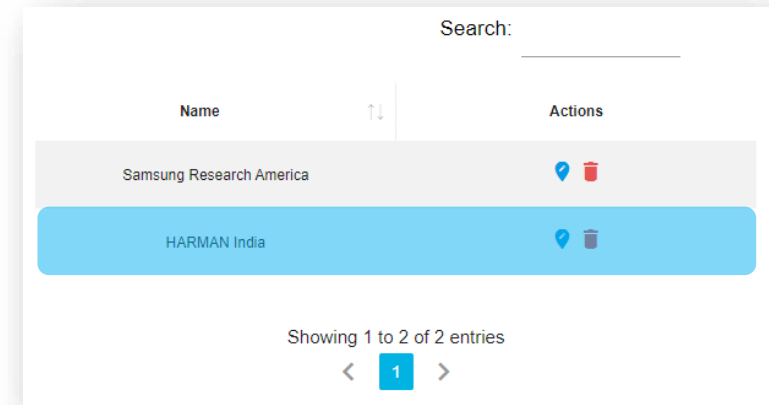




# SITE BOUNDARY

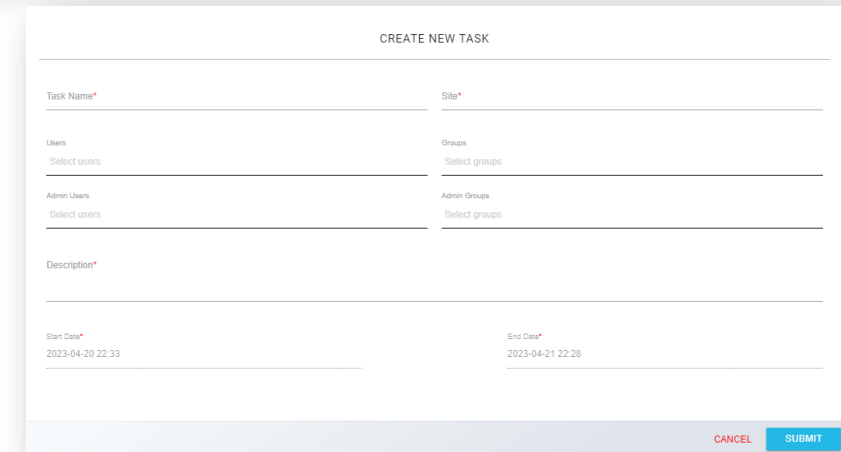
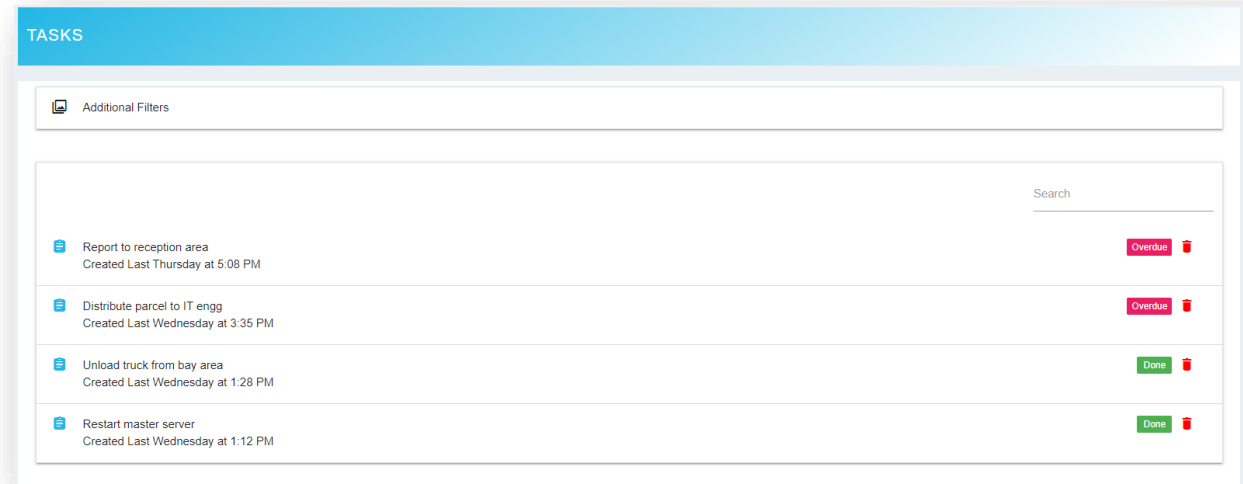
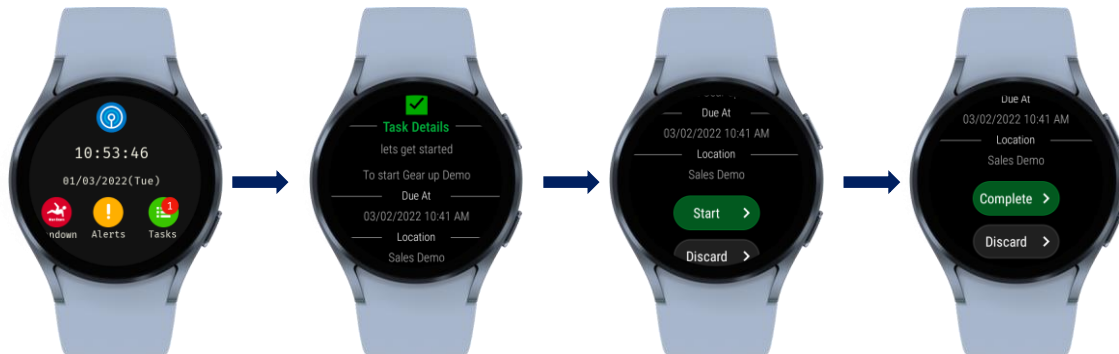
## SITE BOUNDARY

- Virtual geographic fence around physical location on a map
- Site boundary:
  - Start data collection when enters the workplace.
  - Stop data collection when exists the workplace.
- Can create multiple site boundaries.



### TASK MANAGEMENT

- Create tasks for users / group.
- Real time task delivery and tracking.
- Task status is updated on dashboard with timestamp.
- Calculate the response time and task duration.
- Historical data on dashboard



### SCHEDULER

- Schedule recurring tasks for users / group.
- Real time task delivery and tracking.
- Scheduled notifications
- Task status is updated on dashboard with timestamp
- Historical data on dashboard



SCHEDULER								HARMAN_GEARUP_DEMO	S
Status	Message	Start/End Date	Start/End Time	Recurrence	Modified By	Modified At	Actions	Search	
Active	Water is your body's best friend. Stay hydrated!	Jun 1 2023 Jun 2 2023	19:30 23:59	Daily	Subhash Negi	Jun 1 2023 7:28 PM			
Active	Hydration alert! Take a moment to drink water.	Jun 1 2023 Jun 2 2023	19:21 23:59	Daily	Subhash Negi	Jun 1 2023 7:19 PM			

#### CREATE NEW REMINDER

Enter Message (50 chars)\*  
Take breaks and recharge for renewed productivity.

---

Users\* Groups\*  
 Select users Select groups

---

Activation Period  
 Start Date\* End Date\* No End date  
 2023-06-20 2023-06-21

---

Day/Week Recurrence For each day

Daily\*  Weekly\*

Every  day/s

Every Weekday (Mon-Fri)

Start sending at\*

Repeat every  Hr  Min

End after  times

End Time\*

CANCEL SUBMIT

**GearUP** DASHBOARD HGEARUP\_PU\_TESTING S

- DASHBOARD
- MAN DOWN
- USERS
- COMMUNICATION
- LOCATION
- INDOOR POSITIONING
- TASKS
- GROUPS
- SETTINGS

**Users** 58 Total

**Groups** 9 Total

**Tasks** 5 Total

**GeoFence** 0 Total

**Tasks**

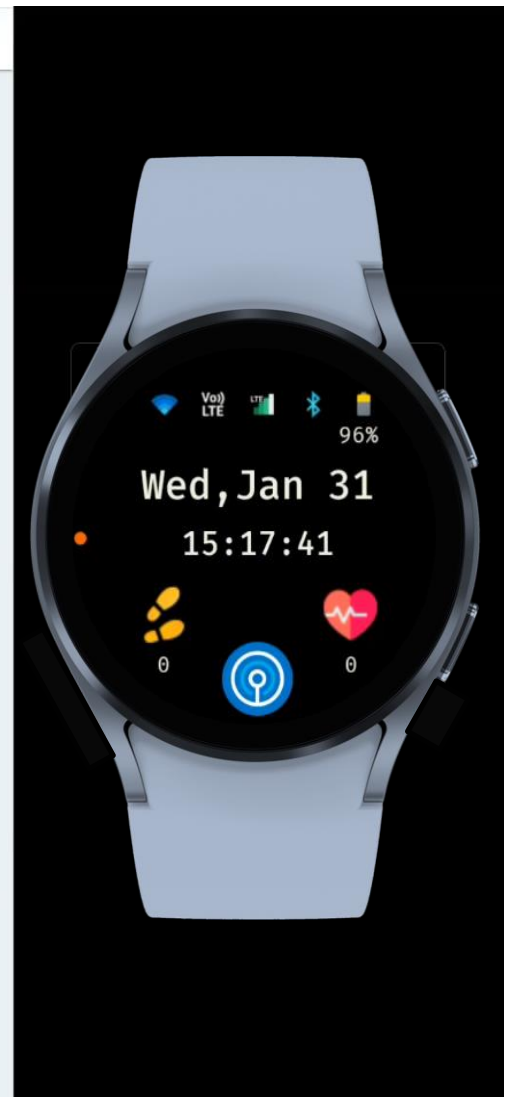
- New
- Started
- Done
- Overdue
- Discarded

**Priority Tasks**

Check the machine valve	●
Mani	●
testing of task	●
pickup courier	●
Check the gas leakage	●

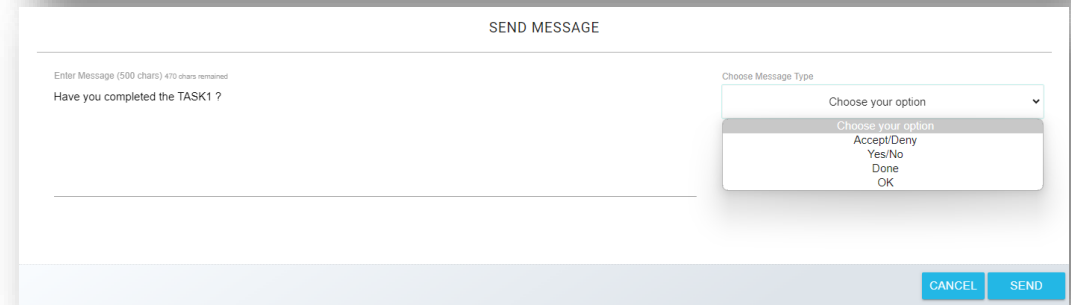
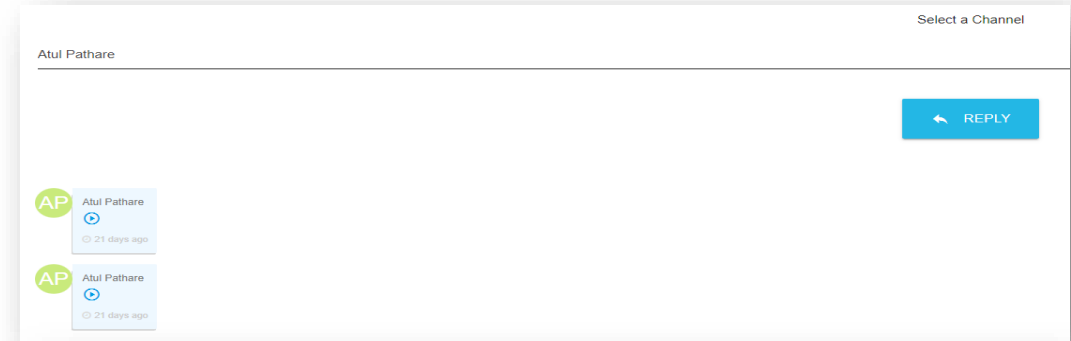
**Latest Geo Fence Events**

Geo Fence	User	Event Type	Time
No data to display			



### VOICE & TEXT MESSAGING

- Deliver time-sensitive text / voice messages.
- Voice and text messaging from dashboard.
- Message to user or group of users
- Text messages with pre-configured responses.
  - Yes/No
  - Ok
  - Done
  - Accept / Deny
  - .....
- Message history on dashboard

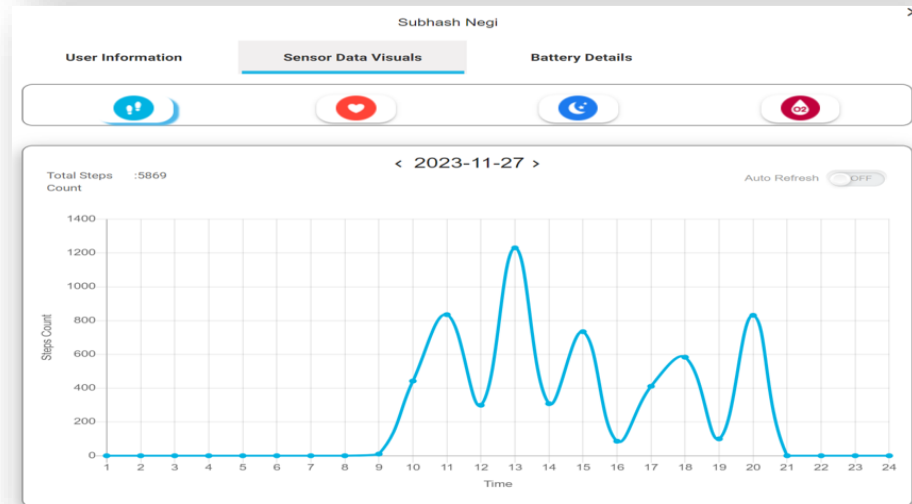
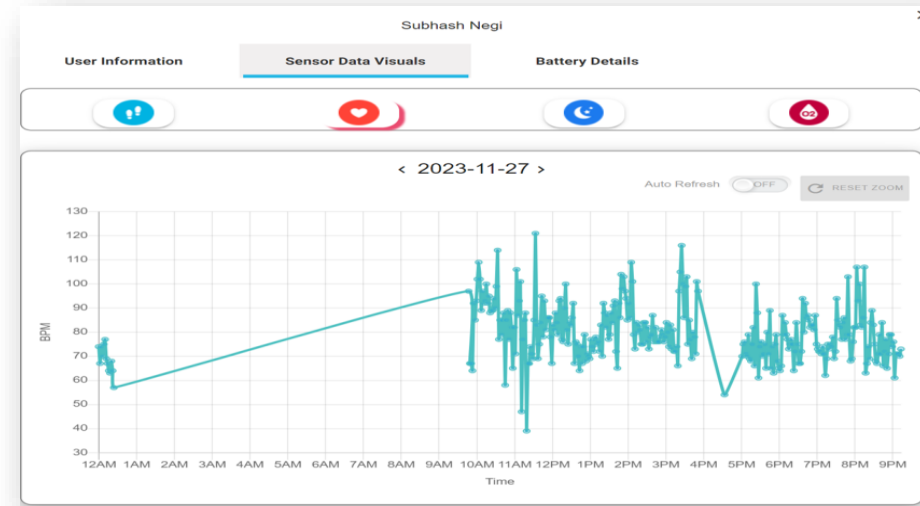
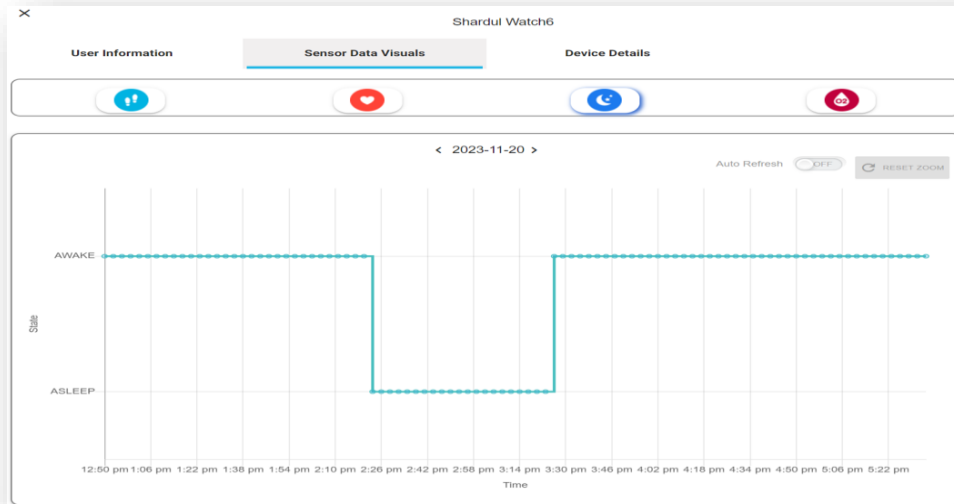


Name	Message	Message Type	Sent At	Delivered At	Responded At	Response
Atul Pathare	Help is on the way	OK	Jan 22, 2024 2:07 PM	Jan 22, 2024 2:07 PM	Jan 22, 2024 2:08 PM	OK
Atul Pathare	Help is on the way	OK	Jan 22, 2024 9:36 AM	Jan 22, 2024 9:36 AM	Jan 22, 2024 9:36 AM	OK
Yatharth Sahu	Please report at the reception	Yes/No	Jan 11, 2024 8:53 AM	Jan 11, 2024 8:53 AM	Jan 11, 2024 8:53 AM	Yes
Varun Pathak	hello, pls come over	Yes/No	Jan 10, 2024 6:24 PM	Jan 10, 2024 6:24 PM	Jan 10, 2024 6:25 PM	Yes
Varun Pathak	hello	Accept/Deny	Jan 10, 2024 3:55 PM	Jan 10, 2024 3:55 PM	Jan 10, 2024 3:55 PM	Accept
Yatharth Sahu	Sample Text	Yes/No	Jan 10, 2024 1:04 PM	Jan 10, 2024 1:04 PM	Jan 10, 2024 1:04 PM	Yes
Yatharth Sahu	Please gather at main conference hall	Accept/Deny	Jan 9, 2024 5:48 PM	Jan 9, 2024 5:48 PM	Jan 9, 2024 5:48 PM	Accept
Varun Pathak	Please come to Reception area	Yes/No	Jan 9, 2024 8:57 AM	Jan 9, 2024 8:57 AM	Jan 9, 2024 8:57 AM	Yes
Yatharth Sahu	Please report to bay area	Done	Jan 8, 2024 9:48 AM	Jan 8, 2024 9:48 AM	Jan 8, 2024 9:48 AM	Done
Yatharth Sahu	Please remove machines parts from bay area	Done	Dec 27, 2023 2:32 AM	Dec 27, 2023 2:32 AM	Dec 27, 2023 2:32 AM	Done



### HEALTH DATA

- Sensor data is captured from the watch and sent to platform.
- Sensor data includes
  - Step Count
  - Heart Rate,
  - Sleep Data etc.
- Sensor data can be viewed on admin dashboard.



## GEARUP+ PLATFORM FEATURES

- User / Group Management
  - Single user registration
  - Bulk user registration
- Role Based Access Control (RBAC).
- Data Export
- Customizable platform
- Consumable APIs / Third party integrations
- Security - encryption at rest and transit

The screenshot shows a 'NEW REGISTRATION' form. At the top, it says 'NEW REGISTRATION'. Below that is a dropdown menu labeled 'Select a Role:' with 'User' selected. There are four input fields: 'First Name\*', 'Last Name\*', 'Email\*', and 'Device Id\*'. At the bottom right, there are two buttons: 'CANCEL' and 'SUBMIT'.

The screenshot shows a 'Data Export Request' and 'Data Export Status' form. It has two tabs: 'Data Export Request' (active) and 'Data Export Status'. Under 'Data Export Request', there are checkboxes for 'HRM Data', 'Sleep Data', 'Steps Count', 'Spo2 Data', and 'Battery Data'. Below these are 'Start Date\*' and 'End Date\*' fields, both showing '2024-02-11 17:03'. There are also 'Users' and 'Groups' sections with 'Select users' and 'Select groups' respectively. At the bottom, there is a checked checkbox 'Create separate file for each data type' and 'RESET' and 'SUBMIT' buttons.

## SECURITY USING KNOX MANAGE - MDM

- Connectivity
  - ✓ Wi-Fi - Allow/disallow, Configure, Turn on/off
  - ✓ Bluetooth - Allow/disallow, Prevent changing, Turn on/off
  - ✓ Location service - Turn on/off, Prevent changing
  - ✓ Mobile data network - Allow/disallow, Turn on/off
  - ✓ Airplane mode - Turn on/off
  - ✓ Roaming - Allow/disallow
  - ✓ NFC - Turn on/off, allow/disallow
  
- System Control
  - ✓ System update - Automatic/windowed/ postpone/ block \*
  - ✓ Factory reset - Allow / disallow
  - ✓ Developer mode - Allow/disallow
  - ✓ Power saving mode \* - Allow/disallow
  - ✓ Commands - Reboot/factory reset/reset screen lock
  
- Kiosk Mode
  - ✓ System error/warning messages - Allow/disallow
  - ✓ Quick panel & notifications & widget tiles - Allow/disallow
  - ✓ Device settings - Allow/disallow
  - ✓ Lock down device to system UI.
  - ✓ Allowlist of specific apps
  
- Watch Face Customization
  - ✓ Set a specific watch face
  - ✓ Prevent users from changing watch face
  
- App Management
  - ✓ Silent (forced) app install
  - ✓ Disallow execution of specific apps
  - ✓ Disallow uninstallation of specific apps
  - ✓ Permission grant (all apps / specific apps)
  
- UX Customization
  - ✓ HW key remapping - Home/back key-press/release
  - ✓ Auto call answer - Allowlist for specific numbers
  - ✓ Set vibrate/sound mode



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THANK YOU!

