Rokkhi IT Solutions LTD.
Guard Attendance Specification

Problem Analysis:

Guards of different security companies don't perform efficiently in their posts. Many times, they roam around from their posts and they sometimes leave their posts completely during their office hour. We need to monitor guards and their performances at their posts.

Solution idea:

There should be a device in the posts where the guards work which will take their attendance frequently every 0.5hr/1hr or it could be random. Whenever it's time to take attendance, the device will make an alarm sound for 2-3 minutes until all the guards have given attendance. This attendance will be taken from their fingerprint for now. There must be a remote panel where the superviser or the security company can monitor the guards frequently. There could be a button or some feature from the admin panel to trigger the alarm of the guard's device. The device must be portable so that all kinds of requirements can be fulfilled.

Guard Device Features:
- Must work without wifi (could be GSM enabled)
- Must send location from the device to the server
- Must have an alarm system that will trigger every X hour (could be random). X = 0.25, 0.5, 1, 1.25, 1.5, 2 etc.
- Must have a fingerprint sensor
- If wifi is present, should connect with wifi to send data.
- Should be portable.
- Alarm should exist for 2-3 minutes.
- Power should remain for 24 hours.

Admin Panel Features:
- Create Guard Entry (Must input fingerprint/fingerprint id)
- View Guard attendance remotely (could be real-time.)
- View guards' entries on a map
- View single guard's daily/monthly performance/attendance.
- View all guards' daily/monthly performance/attendance.
- Trigger Alarm from admin panel.