



SARAO
South African Radio
Astronomy Observatory

SARAO Visitor Management System



A unique visitor management experience for NRF and its National Facilities.

The SARAO Visitor Management System (SVMS) is tailored to the systems of NRF and its National Facilities - accurately managing visitor access in a bespoke manner.

The system will be available for purchase through the SARAO Commercialisation Division, initially for all NRF business units and National Facilities.

Features include:

- ✓ Visitor registration, check-in and check-out via an easy-to-use interface.
- ✓ Record keeping and visitor database management.
- ✓ Printing ID badge with visitor's name, or issuing each visitor a generic visitor's badge.
- ✓ Automatic email notification of hosts upon visitor check-in.
- ✓ Provides reliable record keeping and management for use in everything from audits to real-time visitor information for emergency evacuations.
- ✓ Facilitates auditable visitor acceptance of indemnities, and other terms of conditions of access.
- ✓ Support for branding and company-specific requirements e.g., company logo.

**For more information, scan the QR code
or visit www.sarao.ac.za**





Minimum hardware required at client's site:

- 1. Client UI device** for visitors to sign in and out with touch screen (e.g. iPad)
 - a. With network device 100 baseT / 1 GbE
 - b. 4 GB RAM
 - c. Stand – lockable
 - d. (Network point and power point needed)

2. Server/VM

Minimum requirements:

- a. 2 Core CPU
- b. 8 GB RAM
- c. 128 GB Drive
- d. OS Ubuntu 24.04 (with Docker)
- e. Network 1 GbE

- 3. SMTP Server** or service provider (Optional if emails are not required).

4. Backup:

- a. Separate to VMS server/ VM storage

- 5. Printer** (Optional if labels for visitors necessary):

- a. Label printer
- b. Printer rolls

Technical and non-functional requirements

1. The application is:

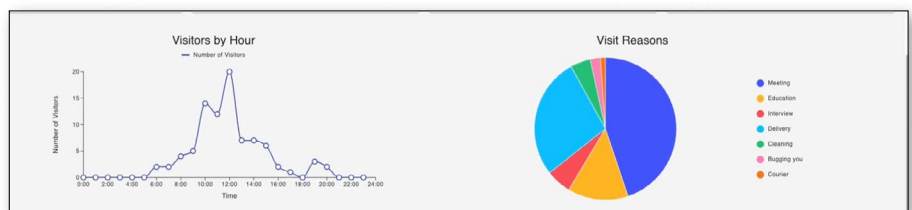
- ☒ A web-based interface, formatted for desktop as well as tablet device usage.
- ☒ Compatible with as many browsers as possible, Chrome, Firefox, and Safari.

2. Considerations for set-up:

- ☒ Development time and resources
- ☒ Infrastructure set-up
- ☒ Setup costs
- ☒ Support time
- ☒ Printer rolls

3. Other information

- ☒ The system has two interfaces - a user interface and an admin interface.
- ☒ The user interface is the one that the visitor sign in and out, and can run for e.g., on an iPad. It can also run on other platforms with browsers.
- ☒ The admin interface runs on any device that can connect to the server.



The database provides for collection of accessible and easy to use visitors statistics.

The visitor registration interface.



Example of a generic visitor's ID badge.



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