Building sustainable future

ROLE BASE ACCESS CONTROL SYSTEM

(AJV-SOF-RAC-001)

Introduction

Ajeevi Role base Access Control System can be used to manage and monitor role of users and access rights to files, systems, and services to help protect organizations from data loss and security breaches.
Role base access (or role-based permissions) adds another layer of categorization on top which is provided by user-based access.

An employee's role in an organization determines the permissions that individual is granted and ensures lower-level employees can't access sensitive information or perform high-level tasks.

Role base Access control is a system that protects applications and the data behind them by ensuring the right user has access to the right resource at the right level of trust. You can control access by setting granular policies so authorized individuals can do their jobs efficiently and effectively. Every employee has some responsibilities according to their role and their working area.

Ajeevi Role base Access Control Dashboard displays the Summary of:

All User Summary

- Total number of User
- User Status
- Action

Service Summary

- Total number of Services
- Closed Services
- Pending Services

Uses

Role base Access control platform provides the transparency between the service provider & the customers.
The act of role base access control system is all about controlling user access, which includes tracking and changing authorizations as needed.
Role base Access control System can be housed on a cloud server or a local server. We can control access via Keypads, card readers or mobile devices.

Other uses of Role base Access Control System: -

- Bank or financial sector – vaults, locker rooms and data rooms must be well protected to ensure safety
- Storage rooms in hotels, hostels, offices, & warehouses
- To allow entry of only known individuals, thus ensuring the safety of people living in the society.
- Ease for Visitors – in offices or even in apartments, with RBAC, it is much easier and faster to just enter OTP for entrance

Features

- Improving operational efficiency.
- Enhancing compliance.
- Giving administrators increased visibility.
- Reducing costs.
- Decreasing risk of breaches and data leakage

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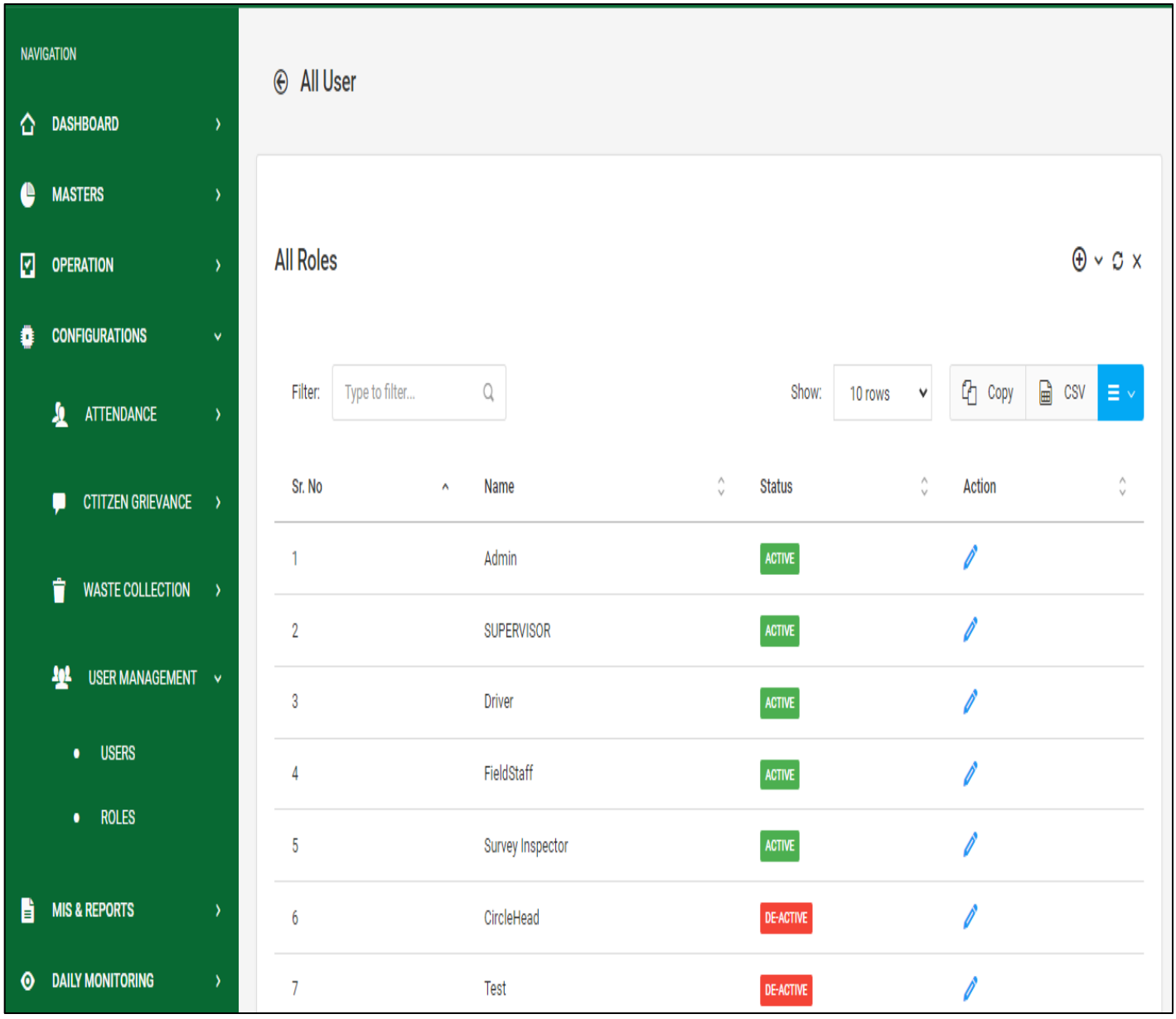

Technical Specifications:

Sr.No.	Parameter	Remarks
A	**GENERAL**	
1	Centralized and IntegratedSolution	Ajeevi Role base Access Control System
2	Technology Used	COTS (Commercial Off The Shelf) Technology
3	Access Features	RBAC Model (Role-based access and control)
4	Architecture	N-tier scalable architecture, modular design, robust software
5	Framework	.NET Core Framework, ASP.Net MVC
6	Database	SQL Server 2016 and above, Mongo DB, Posgre SQL, Unifieddatabase for all SWM data
7	Operating System	Windows / Open Source Linux
8	Front end	Java Script, Jquery, React JS, Angular, HTML, Bootstrap, RazorPages
9	IOT Hub Integration	Kafka, Rabbit MQ, Socket Programming, Web APIs
10	Application Availability	High availability and DR replicability
11	Single-Sign On facility	Available
12	Audit Trail	Ability for logging, audit, and tracking of any changes carried outon the database
13	Interoperability Standards	Can be integrated with any other application through web APIs(Push or Pull)
14	Security Features	1. Security design with well-designed identity management system, security of physical and digital assets, data and network security, backup and recovery and disaster recovery system. 2. Support for security features such as W3C specifications, Information access/transfer protocols SOAP, HTTP/HTTPS, etc.

		3. API Integration allowed post authentication
15	External Communication	Through SMS Gateway and SMTP Integration
16	Web Enabled Solution	Yes
17	Services for GIS Integration	Google Maps, ESRI Map, Any other available open map
18	GIS Features	Geo-mapping, Geotagging, POI, Geofencing through Geo JSON and drawing tool
19	Deployment Features	SaaS Model, On-Premise Model, BOOT Model
20	Cloud Deployment	Amazon AWS, Microsoft Azure
20	Information Security	ISO 27001 certified System
21	Operations	ISO 9001 Certified
B	**FUNCTIONAL FEATURES**	
➢	General Features	Ajeevi Role base Access Control Platform is Easy to Access, Easy to register & UserFriendly.
		Decreasing risk of breaches and data leakage
		Giving administrators increased.
		Helps to secure the data
		Improving operational efficiency.