

Viztech (Nadra Verification)

Overview

- ▶ The Project Biometric System uses a fingerprint scanner to scan the respected user's fingerprint.
- ▶ The fingerprint scanner device that is being used which scan single flat fingers, it should rejects Spoof Finger print spoofing images and latent fingerprints, thus preventing certain types of fraud like using photocopied fingerprints.
- ▶ We use SecuGen scanner and it works 99% with dry, aged or scarred fingerprints.

System Modules:

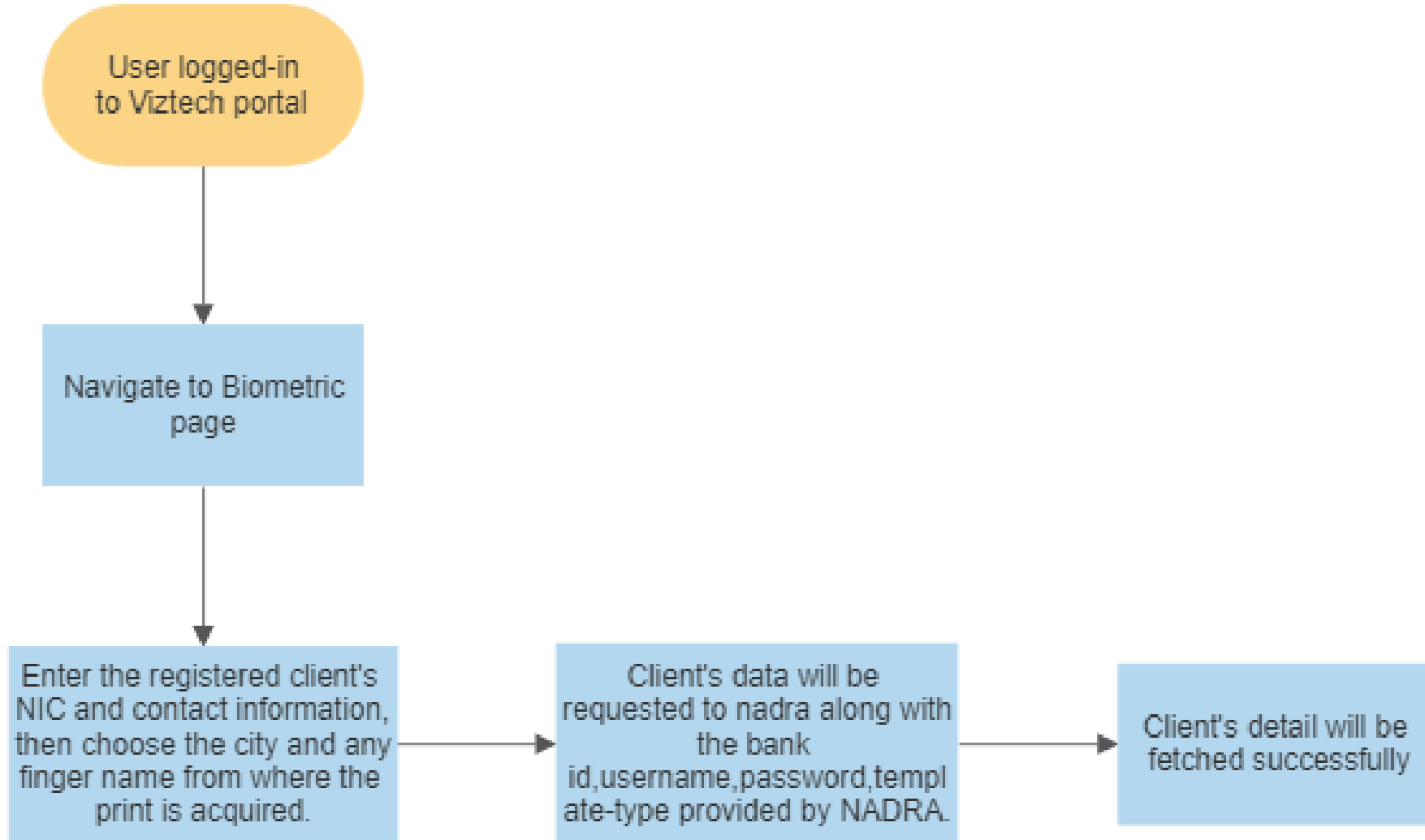
Following are the procedures:

- ▶ User creation module
- ▶ Role creation module
- ▶ Biometric Verification
- ▶ Generate report

New User creation Module

- ▶ User can be created and managed using the new proposed dynamic module.
- ▶ This new dynamic user creation module is incorporated in the Viztech Portal.

System Architecture



How it works

- ▶ Applications reads fingerprint through rest Api
- ▶ Once fingerprint is scanned successfully application sends request to the NADRA Api and in result it show response respectively.

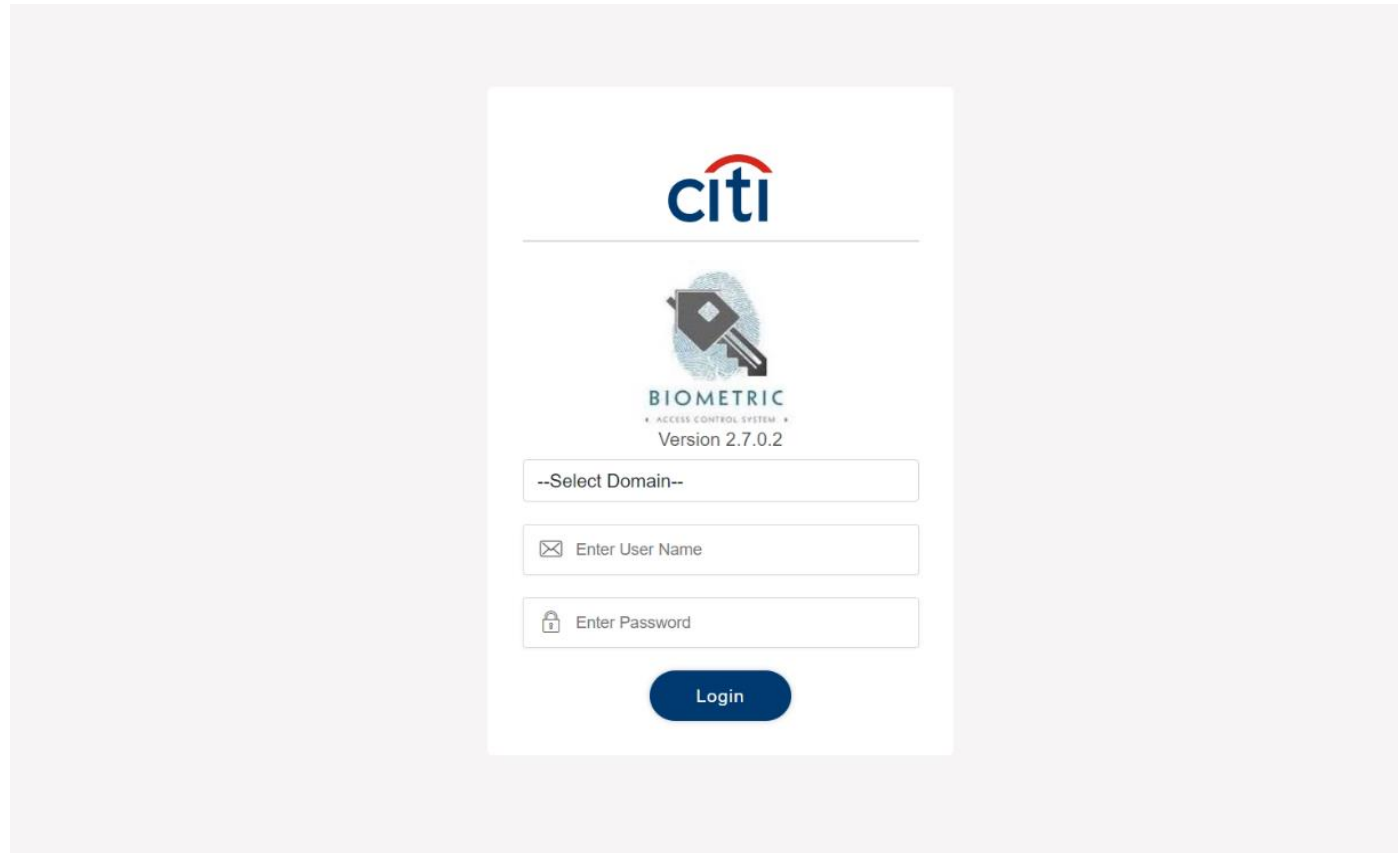
Hardware & Software Requirements

- Preferable development environment of the application would be ASP.NET MVC.
- For ASP.NET MVC application, a windows server with IIS manager installed is required in order to deploy the application.

Application	Specs	OS
Minimum	RAM: 8GB core: 4 : HDD (SSD) : 50GB	Any
Recommended	Ram : 16GB core : 8 : HDD(SSD) : 50/100GB	Any

Developed System Modules:

Login



The screenshot displays the login interface for the Citi Biometric Access Control System. At the top, the Citi logo is centered. Below it is a horizontal line, followed by a biometric icon (a fingerprint with a key) and the text "BIOMETRIC ACCESS CONTROL SYSTEM" and "Version 2.7.0.2". The interface includes three input fields: a dropdown menu labeled "--Select Domain--", a text field with an envelope icon labeled "Enter User Name", and a text field with a lock icon labeled "Enter Password". A dark blue "Login" button is positioned at the bottom center of the form.

Biometric Verification Request Form




The screenshot displays a web application interface for biometric verification. The top navigation bar includes the 'citi' logo, a user profile 'User: ADMIN', and a 'Logout' button. The main content area is titled 'BIO-METRIC VERIFICATION' and contains a form with the following sections:

- Scan Finger Print:** A section with a fingerprint scanner icon and a 'Get Finger Print' button.
- Provincial Area Details:** A section with checkboxes for various provinces: Azad Kashmir, Gilgit-Baltistan, Sindh, Balochistan, Khyber-Pakhtunkhwa, Fata, and Punjab.
- Personal Details:** A section with input fields for 'Citizen Number' and 'Contact Number', and a 'Send Request' button.
- Finger Index Details:** A section with checkboxes for specific fingers: Right Thumb, Right Index, Right Middle, Right Ring, Right Little, Left Thumb, Left Index, Left Middle, and Left Little.

The footer of the page contains the text: Copyright © 2020 All rights reserved.

Response from Nadra

Client : **Test User** Details ×



Name
Test User

Father/Husband Name
Testing Father

CNIC Number
42202-2021525

Present Address
Present Address

Permanant Address
Permanant Address

Date Of Birth
01/01/2000

Birth Place
Karachi, Pakistan

CNIC Expiry Date
01/01/2030

Activity Date Time
19/01/2023 3:49:29 pm

Close Print

Configuration Setup

The screenshot shows the Citi NADRA Configuration web application. The interface includes a sidebar with navigation options, a top header with user information and a logout button, and a main content area with two sections: 'Manage Configuration' and 'Email Setup List'.

Manage Configuration

Franchise Id:

User Name:

Password:

Template Type:

Email Setup List

Copy CSV Excel PDF Print Column visibility

Search:

Franchise ID	User Name	Password	Template ID	Action
oL65cav2Ovt9HdDnyMBFRQ==	Ay8P/S8Y9c7QbClOXR/suNKeeA473PIHEivclCvz7Qg=	8oyvSfqlw20NaFzCx3jMAFTIixz8nyDUenEnCWFek4=	Z0YXzJQDUYHcoxQ0LCSuUX5sZHp8Ha6kuXuVUvmwv7U=	<input type="button" value="Edit"/>

Showing 1 to 1 of 1 entries

Previous **1** Next

localhost:53314/Users/NonAuthorizeUser

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User Setup

The screenshot displays the 'MANAGE USER' interface. At the top left is the Citi logo. A sidebar on the left contains navigation items: Biometric System, Bio Activity Logs, Add User, Authorize User, Non Authorize User, REPORTS, Role Management, Users Login Log, Active Group, Deactive Group, Nadra Configuration, and System-Setup. The main content area is titled 'MANAGE USER' and includes a 'Manage Login User' form with fields for 'User Name', 'User ID', and 'User Type', and a 'Role Name' dropdown menu. Below the form is a 'List Of Users' table with columns for User Name, User Id, Type, Roles Assign, Status, and Action. The table lists four users: Test, Admin, Ali. Rida, and Dileep Kumar.

User : ADMIN Logout

MANAGE USER

Home / Manage User

Manage Login User Add New

User Name **User ID** **User Type**

Role Name
ISA_Maker
ISA_Checker
ASU_OPS

List Of Users

Copy CSV Excel PDF Print Column visibility Search:

User Name	User Id	Type	Roles Assign	Status	Action
Test	25055ui	Tester	ASU_OPS	Active	<input type="button" value="Edit"/>
Admin	Admin	SUPER ADMIN	ISA_Maker,ISA_Checker,ABC	Active	<input type="button" value="Edit"/>
Ali. Rida	rr31892	<%	ISA_Maker,ISA_Checker,ABC	Active	<input type="button" value="Edit"/>
Dileep Kumar	DP38085	User	ISA_Maker,ISA_Checker,ASU_OPS,ABC	Active	<input type="button" value="Edit"/>

User Authorization

The screenshot displays the 'Authorize User' interface in a web browser. The browser's address bar shows 'localhost:53314/Users/AuthorizeUser'. The page header includes the Citi logo, the user name 'ADMIN', and a 'Logout' button. The main content area is titled 'AUTHORIZE USER' and contains a table of authorized users. The table has columns for Action, User Name, User Id, Type, Roles Assign, and Status. Each row represents a user with their respective details and a status of 'Active'. The table also includes a search bar and export options (Copy, CSV, Excel, PDF, Print, Column visibility).

Action	User Name	User Id	Type	Roles Assign	Status
	Test	25055ui	Tester	ASU_OPS	Active
	Admin	Admin	SUPER ADMIN	ISA_Maker,ISA_Checker,ABC	Active
	Ali, Rida	rr31892	<%	ISA_Maker,ISA_Checker,ABC	Active
	Dileep Kumar	DP38085	User	ISA_Maker,ISA_Checker,ASU_OPS,ABC	Active
	Tricia Tan	TT60446	EY VA Tester	ISA_Maker,ISA_Checker,ASU_OPS,ABC	Active
	Rong An Su	RS60434	USER	ISA_Maker,ISA_Checker,ASU_OPS	Active
	Rizwan UD	ru84258	USER	ISA_Maker	Active
	Maroti Gabor	MG85752	USER	ISA_Maker,ISA_Checker	Active
	Balazs Szabo	SB39843	USER	ABC,Test Function	Active
	Umaid Hassan	UH57679	USER	ISA_Maker,ISA_Checker,ASU_OPS,ABC	Active

Showing 1 to 10 of 22 entries

Unauthorize User

User : ADMIN Logout

Home / Non Authorize User

NON AUTHORIZE USER

List Of Non Authorize User

Copy CSV Excel PDF Print Column visibility Search:

Action	User Name	User Id	Type	Roles Assign	Status
	jesse	JC60455	%3Cscript%3Ealert%281%29%3C%2Fscript%3E	ISA_Maker,ISA_Checker,ABC	DeActive
	Janice	YT60456	USER	ISA_Maker,ISA_Checker,ASU_OPS,ABC	DeActive
	Test50	Tester50	Test Add id	ISA_Maker,ISA_Checker,ASU_OPS,ABC	DeActive
				ABC	DeActive
	123	123	12	ISA_Checker,ABC	DeActive
	Maroti Gabor	Maroti Gabor	USER	ISA_Maker,ISA_Checker	DeActive
	Ivett Kiss	ik01426	USER	ISA_Maker,ISA_Checker	DeActive
	<%	pd46990	USER	ISA_Maker,ISA_Checker,ASU_OPS,ABC	DeActive
	Rana Ghulam Murtaza	RM59111	USER	ISA_Maker,ISA_Checker,ASU_OPS	DeActive
	Gohar Javed	gj1111	USER	ISA_Maker,ISA_Checker	DeActive

Showing 1 to 10 of 12 entries

Previous 1 2 Next

Group Management

The screenshot displays the Citi Group Management interface. On the left is a navigation menu with options: Biometric System, Bio Activity Logs, Add User, Authorize User, Non Authorize User, REPORTS, Role Management, Users Login Log, Active Group, Deactive Group, Nadra Configuration, and System-Setup. The main header shows 'User : ADMIN' and a 'Logout' button. The page title is 'GROUP DETAILS' with a breadcrumb 'Home / Group Details'. Below the header is a date filter section with 'From Date' and 'To Date' fields (both set to 'dd/mm/yyyy') and a 'Fetch' button. The main content area is titled 'Group Details' and contains a table with columns: Group Name, Assigned Role, Maker, Checker, Maker Time, Checker Time, and Activity. The table has 4 rows, all with 'Test Function' as the group name and 'New Role Added' as the activity. Below the table, it says 'Showing 1 to 4 of 4 entries' and has 'Previous', '1', and 'Next' navigation buttons. At the bottom, there is a copyright notice: 'Copyright © 2020 All rights reserved.'

From Date: dd/mm/yyyy To Date: dd/mm/yyyy Fetch

Group Details

Copy CSV Excel PDF Print Column visibility Search:

Group Name	Assigned Role	Maker	Checker	Maker Time	Checker Time	Activity
Test Function	UserAddUser AuthorizeUserDetails NonAuthorizeUser BioSys REPORTS		Admin1		02/03/2022 12:30:49 pm	New Role Added
Test Function	UserAddUser AuthorizeUserDetails NonAuthorizeUser BioSys REPORTS		Admin1		02/03/2022 12:29:25 pm	New Role Added
Test Function	UserAddUser AuthorizeUserDetails NonAuthorizeUser BioSys REPORTS		Admin1		02/03/2022 12:27:35 pm	New Role Added
Test Function	UserAddUser AuthorizeUserDetails NonAuthorizeUser BioSys REPORTS		Admin1		02/03/2022 12:26:41 pm	New Role Added

Showing 1 to 4 of 4 entries Previous 1 Next

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Group Authorization

Biometric System
Bio Activity Logs
Add User
Authorize User
Non Authorize User
REPORTS
Role Management
Users Login Log
Active Group
Deactive Group
Nadra Configuration
System-Setup

User : ADMIN Logout

Home / Active Group Roles

ACTIVE GROUP ROLES

Active Roles

Copy CSV Excel PDF Print Column visibility Search:

Actions	Role Name	Role Description	Assign Roles
	ASU_OPS	READWRITE: Report generate and bio matrix verification group	BioSys.REPORTS.CustRpt.UserLogDetails
	ISA_Checker	READWRITE: ISA Checker group to create, modify and terminate users with report function.	UserAddUser.AuthorizeUserDetails.NonAuthorizeUser.REPORTS.GIDAGroupDetails.GIDAUserDetails.ActivityPrt.RoleModification.ActiveGroup.DeActiveGroup
	ISA_Maker	READWRITE: ISA Maker group to create, modify and terminate users with report function.	UserAddUser.AuthorizeUserDetails.NonAuthorizeUser.BioSys.REPORTS.RoleModification.ActiveGroup.DeActiveGroup.NadraConfiguration.SystemSetup.GIDAGroupDetails.GIDAUserDetails.CustRpt.ActivityPrt

Showing 1 to 3 of 3 entries Previous 1 Next

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User Activity Report

Biometric System
Bio Activity Logs
Add User
Authorize User
Non Authorize User
REPORTS
Role Management
Users Login Log
Active Group
Deactive Group
Nadra Configuration
System-Setup

User : ADMIN Logout
USER DETAILS REPORT Home / User Details Report
 From Date: dd/mm/yyyy To Date: dd/mm/yyyy Fetch
 User Details Report
 Copy CSV Excel PDF Print Column visibility Search:

User Name	Assign Group	Maker	Checker	Maker Time	Checker Time	Action	Activity
Test500-tu500	ISA_Maker,ISA_Checker,ASU_OPS,ABC	Admin1		02/03/2022 12:19:17 pm		Make	No New Change and Active the User
Laraib123-Laraib123	ISA_Maker,ISA_Checker,ASU_OPS	ab13345				Check	Active the User & No New Change
Laraib123-Laraib123	ISA_Maker,ISA_Checker,ASU_OPS	RU88888		06/10/2020 11:50:49 am		Make	Added a New User With Roles ISA_Maker,ISA_Checker,ASU_OPS
MUnis4321-Munis4321	ISA_Maker,ISA_Checker	RU88888				Check	Active the User & No New Change
MUnis4321-Munis4321	ISA_Maker,ISA_Checker		RU88888			Check	No New Change & DeActivate the User
MUnis4321-Munis4321	ISA_Maker,ISA_Checker	ab13345		06/10/2020 11:30:25 am		Make	Added a New User With Roles ISA_Maker,ISA_Checker
Munis123-Munis123		ab13345				Make	Active the User & No New Change
Munis123-Munis123	ISA_Maker,ISA_Checker	RU88888		06/10/2020 11:28:29 am		Make	Added a New User With Roles ISA_Maker,ISA_Checker
Dileep-DP38085	ASU_OPS,ABC	DP38085		28/09/2020 9:10:09 am		Make	New Role Assign to the User ABC
Dileep-DP38085	ASU_OPS,ABC	EK72154	ab13345		28/09/2020 9:03:23 am	Check	Active the User & New Role Assign to the User ABC

 Showing 1 to 10 of 24 entries Previous 1 2 3 Next

Group Activity Report

The screenshot displays the Citi Group Activity Report interface. On the left is a sidebar with navigation options: Biometric System, Bio Activity Logs, Add User, Authorize User, Non Authorize User, REPORTS, Role Management, Users Login Log, Active Group, Deactive Group, Nadra Configuration, and System-Setup. The main header shows the user as ADMIN and includes a Logout button. The main content area is titled 'GROUP DETAILS' and features a filter section with 'From Date' and 'To Date' fields set to 'dd/mm/yyyy' and a 'Fetch' button. Below this is a 'Group Details' section with a table of activity logs. The table has columns for Group Name, Assigned Role, Maker, Checker, Maker Time, Checker Time, and Activity. All entries show 'Test Function' as the group name, a list of roles as the assigned role, 'Admin1' as the checker, and 'New Role Added' as the activity. The dates range from 02/03/2022 12:26:41 pm to 12:30:49 pm. At the bottom, it indicates 'Showing 1 to 4 of 4 entries' and has 'Previous' and 'Next' navigation buttons.

User: ADMIN Logout

Home / Group Details

GROUP DETAILS

From Date: dd/mm/yyyy To Date: dd/mm/yyyy Fetch

Group Details


Copy CSV Excel PDF Print Column visibility Search:

Group Name	Assigned Role	Maker	Checker	Maker Time	Checker Time	Activity
Test Function	UserAddUser AuthorizeUserDetails NonAuthorizeUser BioSys REPORTS		Admin1		02/03/2022 12:30:49 pm	New Role Added
Test Function	UserAddUser AuthorizeUserDetails NonAuthorizeUser BioSys REPORTS		Admin1		02/03/2022 12:29:25 pm	New Role Added
Test Function	UserAddUser AuthorizeUserDetails NonAuthorizeUser BioSys REPORTS		Admin1		02/03/2022 12:27:35 pm	New Role Added
Test Function	UserAddUser AuthorizeUserDetails NonAuthorizeUser BioSys REPORTS		Admin1		02/03/2022 12:26:41 pm	New Role Added

Showing 1 to 4 of 4 entries Previous 1 Next

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User Last Login Report



User : ADMIN
Logout

USER LOGIN LOGOUT DETAILS Home / User Login Logout Details

From Date: To Date: Fetch

User Login Logout Details

Copy CSV Excel PDF Print Column visibility
Search:

User Id	Action Type	Time	User Type
Admin	LOGIN	18/01/2023 4:30:50 pm	SUPER ADMIN
Admin	LOGIN	18/01/2023 4:30:39 pm	SUPER ADMIN
Admin	LOGIN	14/11/2022 3:53:36 pm	SUPER ADMIN
Admin	LOGIN	14/11/2022 3:36:06 pm	SUPER ADMIN
Admin	LOGOUT	14/11/2022 3:35:50 pm	SUPER ADMIN
Admin	LOGIN	14/11/2022 3:34:46 pm	SUPER ADMIN
Admin	LOGOUT	14/11/2022 3:34:25 pm	SUPER ADMIN
Admin	LOGIN	14/11/2022 3:33:44 pm	SUPER ADMIN
Admin	LOGOUT	14/11/2022 3:33:36 pm	SUPER ADMIN
Admin	LOGIN	14/11/2022 3:33:12 pm	SUPER ADMIN

Showing 1 to 10 of 566 entries
Previous **1** 2 3 4 5 ... 57 Next

- Biometric System
- Bio Activity Logs
- Add User
- Authorize User
- Non Authorize User
- REPORTS
- Role Management
- Users Login Log
- Active Group
- Deactive Group
- Nadra Configuration
- System-Setup