

Project Report on

Sertifier - Enterprise-Graded Solution for Design,
send, and track Digial credentials with ease

Software Used

- Netbeans IDE
- XAMPP MY SQL SERVER

Abstract

This project, titled "Sertifier - Enterprise-Grade Solution for Designing, Sending, and Tracking Digital Credentials with Ease," is an industry-based application designed to streamline the process of credential management within enterprises. Utilizing JSP, Java Servlets, HTML, CSS, and JavaScript, the system is bifurcated into two primary modules: Admin and Manager.

The Manager module enables managers to register employees for seminars or workshops efficiently. Once an employee is registered, the Admin module facilitates the approval process and the issuance of ID cards. Each ID card is equipped with a QR code containing essential information about the employee, ensuring seamless verification and information retrieval.

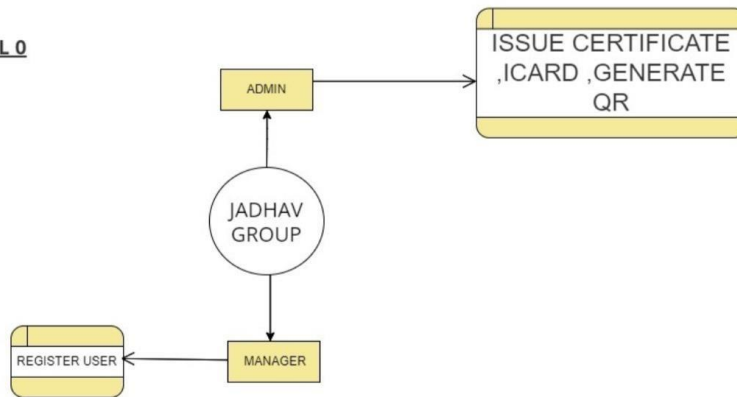
Furthermore, the Admin module is capable of generating performance-based certificates for employees, leveraging their grades and achievements. This feature not only enhances the credibility of the certification process but also simplifies the tracking of employee progress and performance metrics.

The integration of these modules provides a comprehensive solution for enterprises to manage digital credentials, thereby improving operational efficiency, reducing administrative overhead, and ensuring the secure and accurate documentation of employee credentials. The system's robust architecture and user-friendly interface ensure its adaptability and scalability across various enterprise environments.

DATA FLOW DIAGRAM FOR THE PROJECT

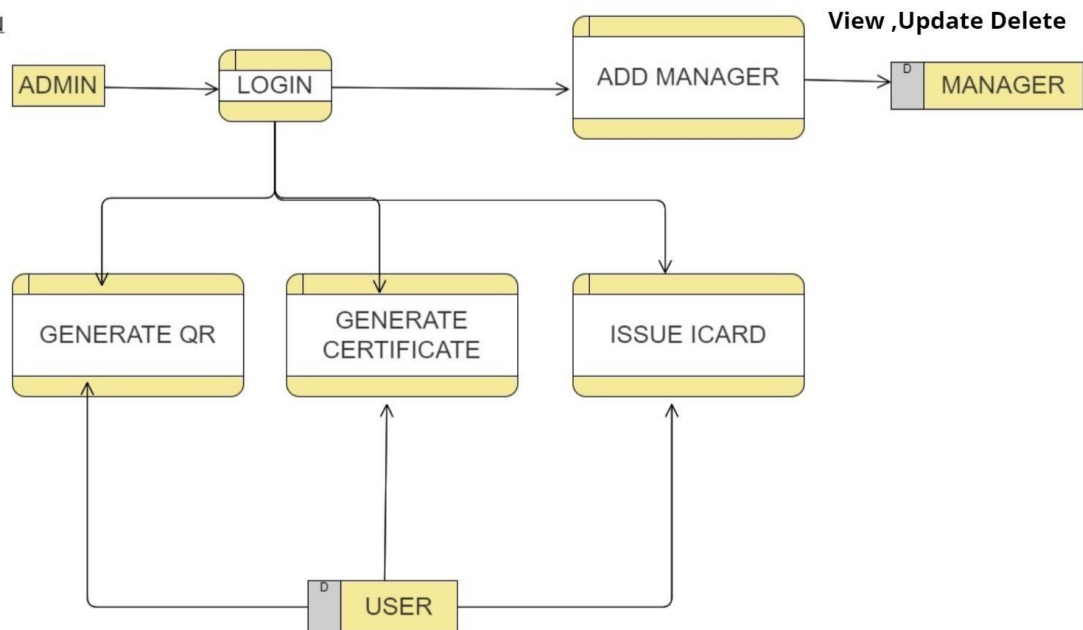
DATA FLOW DIAGRAM

LEVEL 0

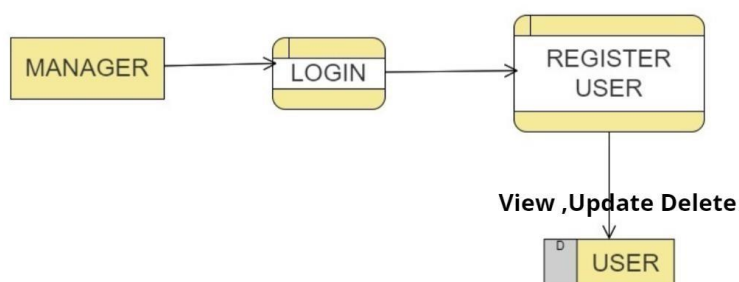


LEVEL 2

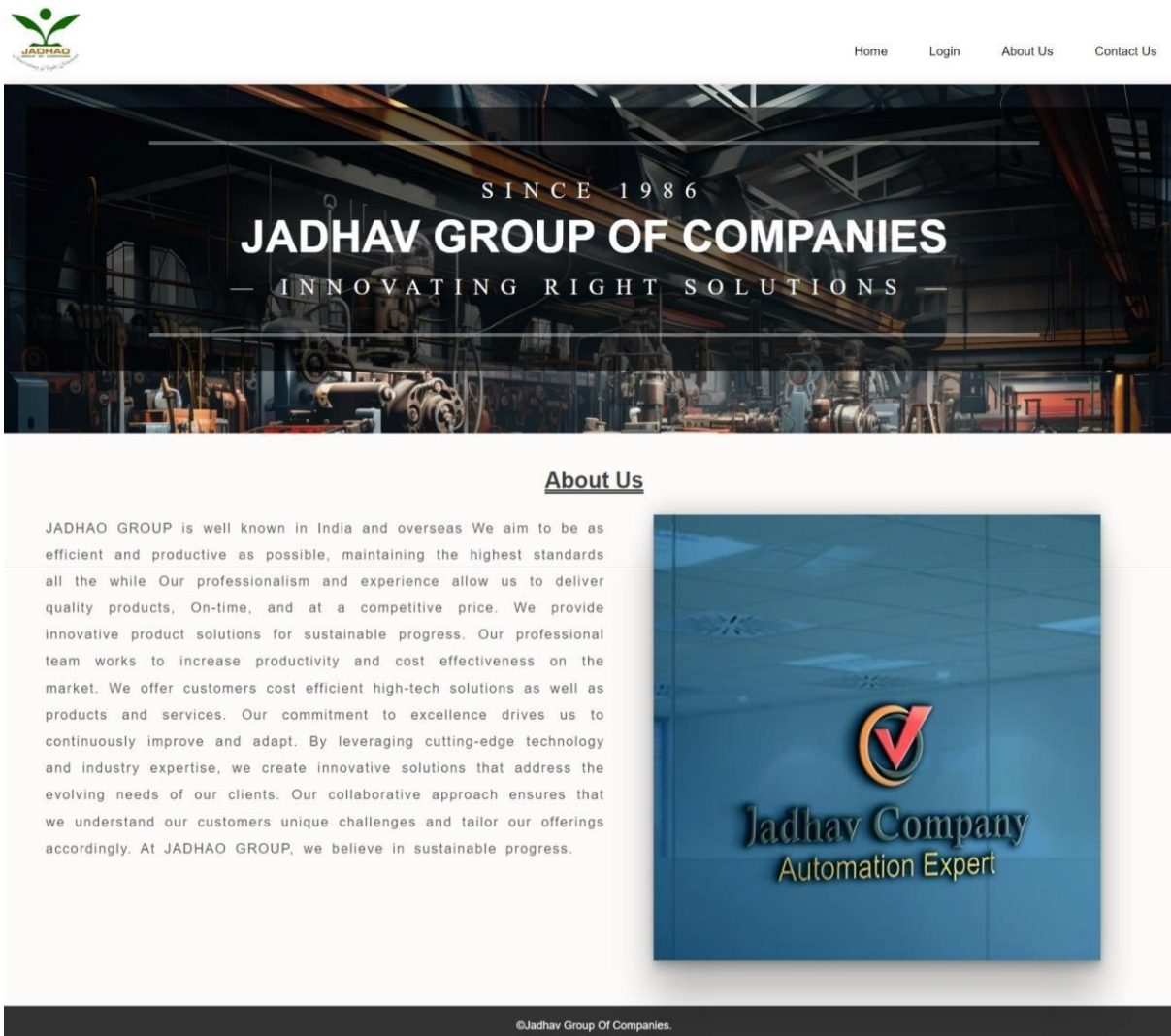
ADMIN



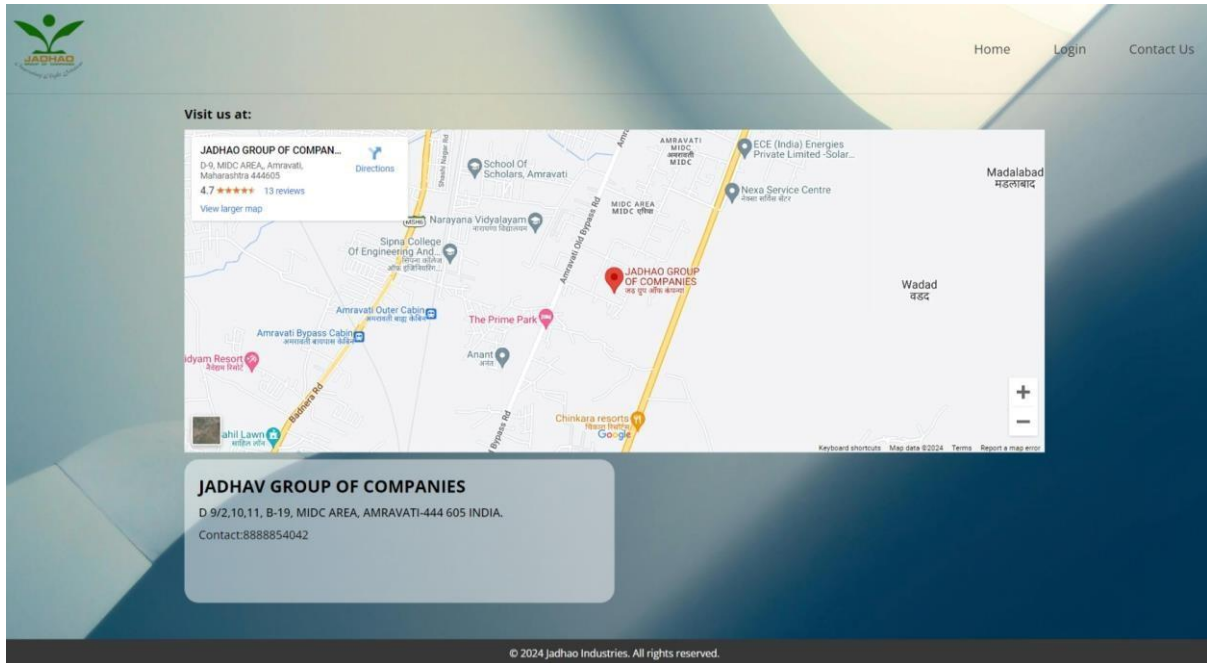
MANAGER



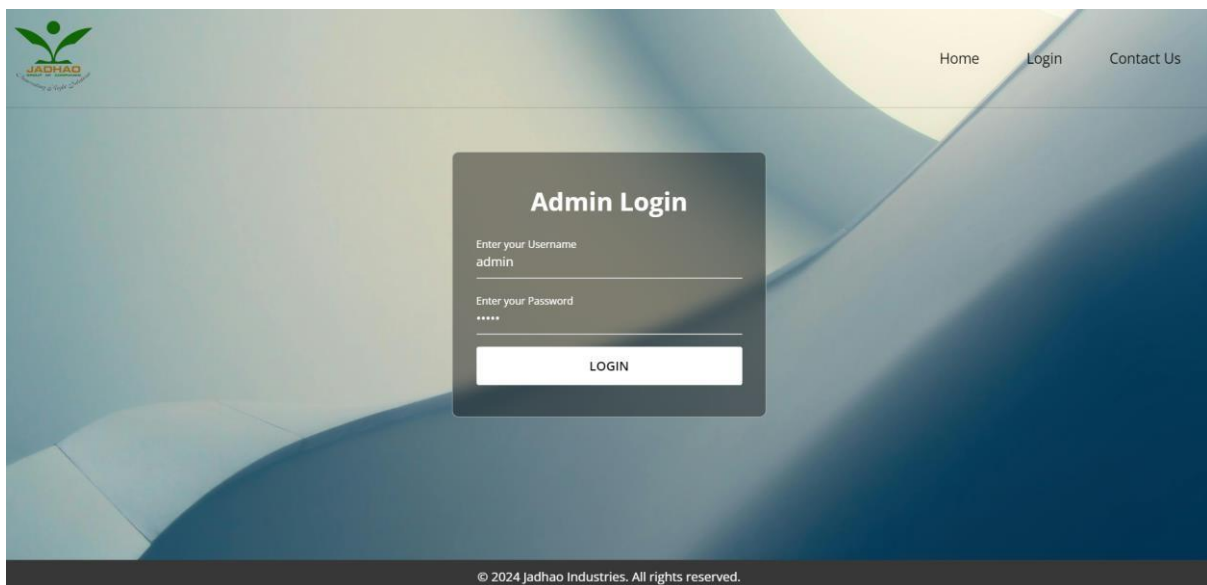
Here are some snaps of the Web Application



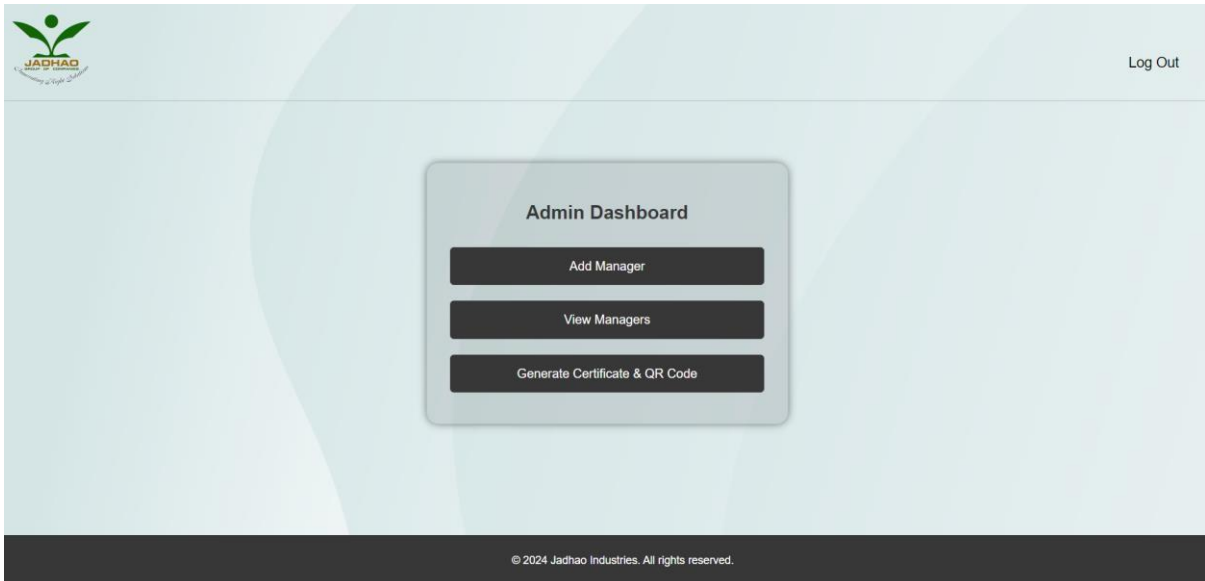
Welcome to our web application! This is the landing page, which contains menus for the About page, Login page, and Contact page.



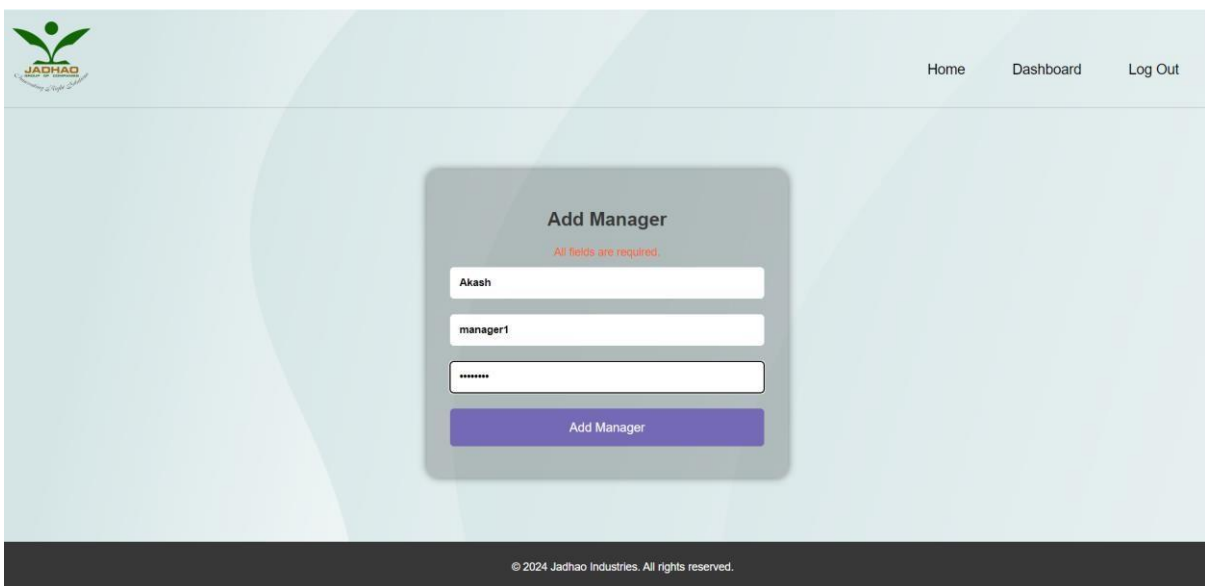
Welcome to our Contact Us page! Here, you will find our company's map location and contact information.



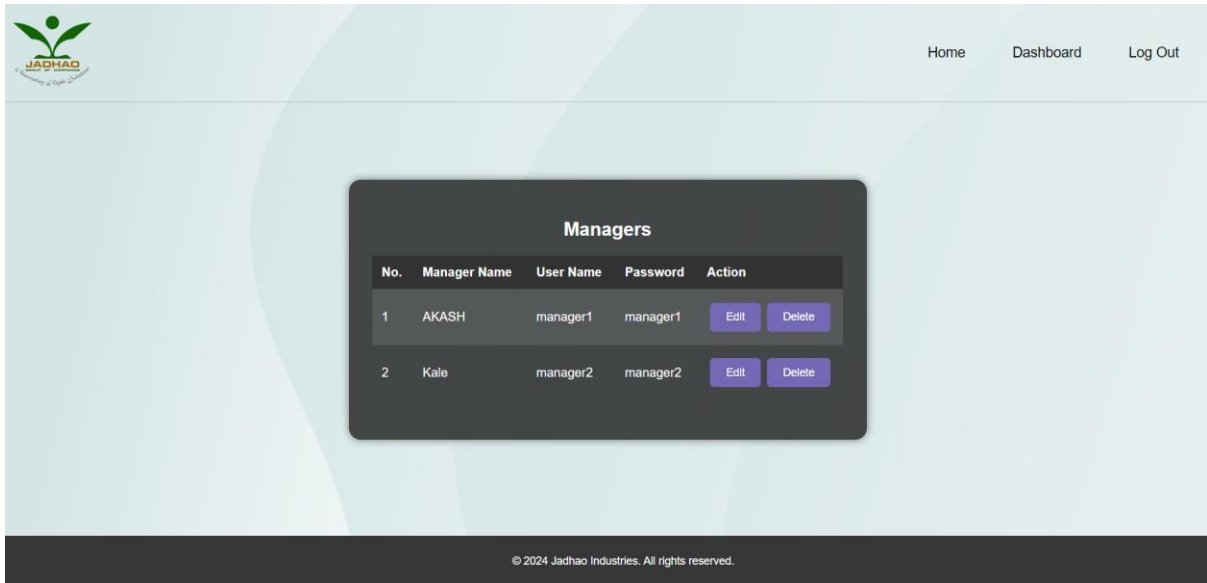
Welcome to the Admin Login page. Administrators can log in using their credentials.



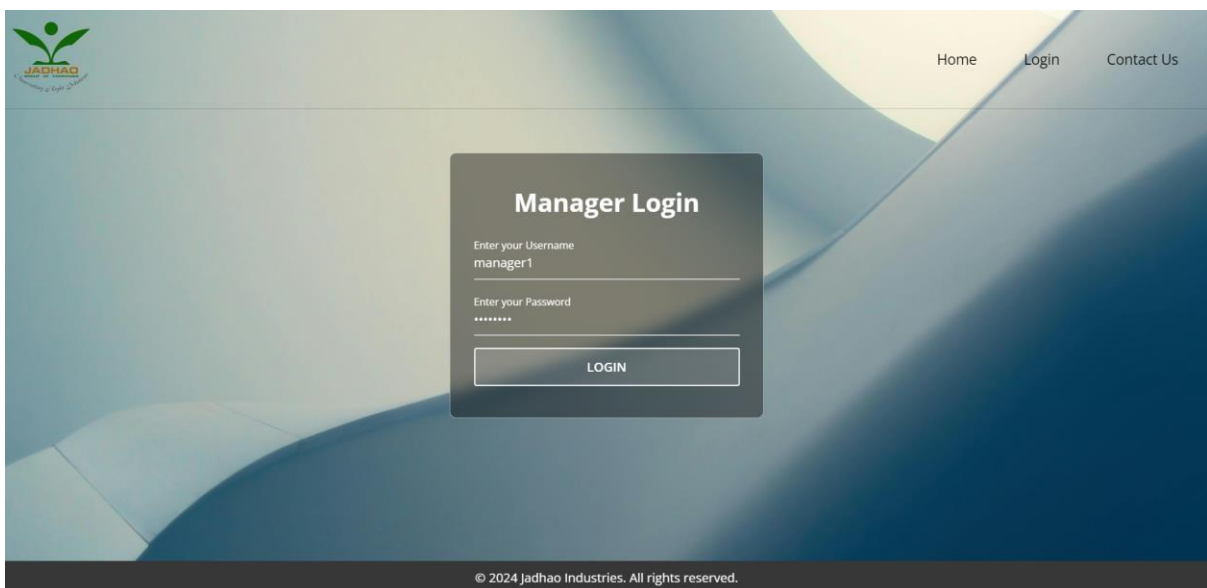
Welcome to the Admin Dashboard. Here, administrators can add and view managers, as well as generate certificates, QR codes, and ID cards for employees.



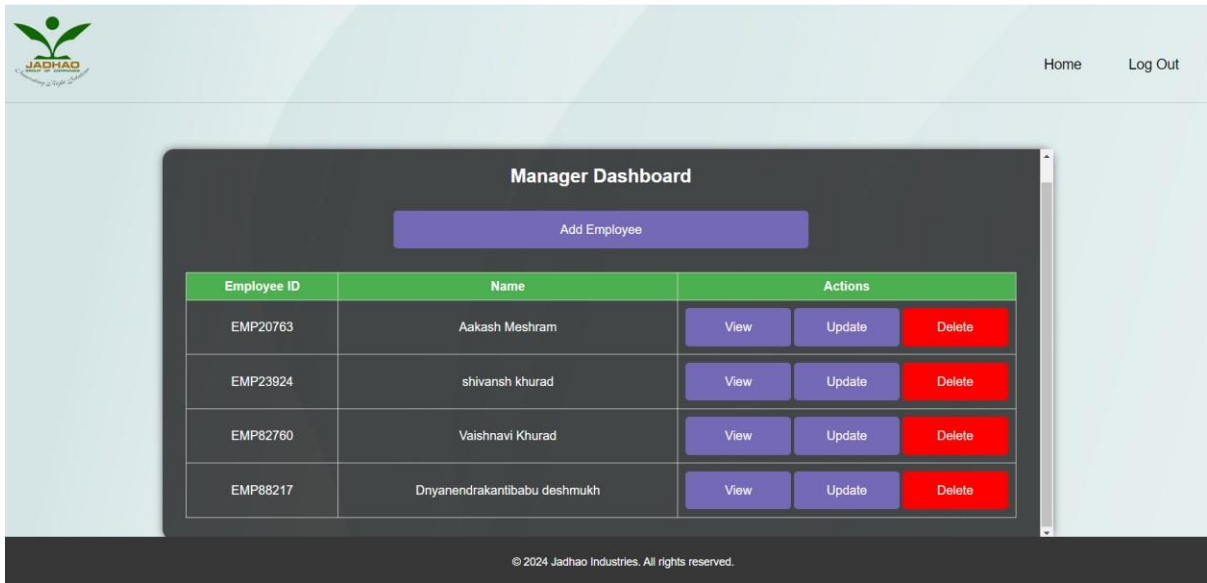
On this page, you can add a manager and set a user ID and password for them.



This is the View Manager page. On this page, the admin can edit manager details as well as delete managers.



Welcome to the Manager Login page. Managers can log in using their credentials.



Welcome to the Manager Dashboard page. Here, managers can register employees, view and update employee information, and delete employees.

Employee Registration

Pref Name Surname

Father's/Husband's Name

Date of Birth dd-mm-yyyy

Contact Address

Upload Photo Choose File No file chosen

Company Name/Organization

Job Title/Department

Date of Joining dd-mm-yyyy

Mobile Number

WhatsApp Number

Workshop/Seminar Add New Seminar

Title Add New Title

Date of Seminar/Workshop dd-mm-yyyy

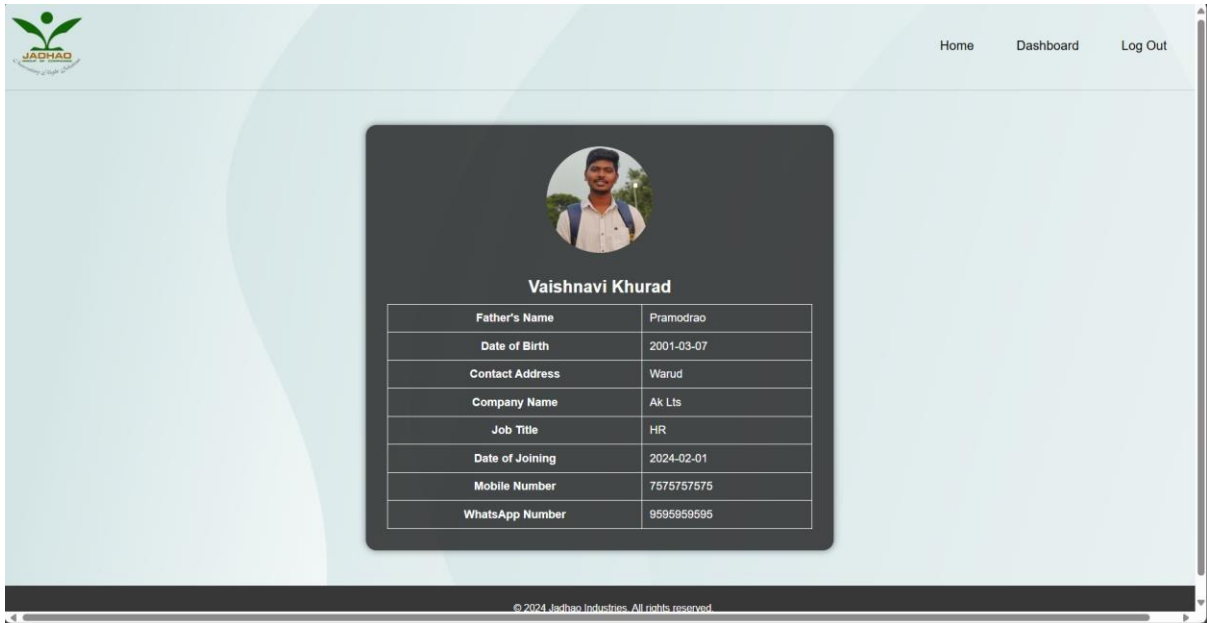
Time of Seminar/Workshop --:--

Fees: fees

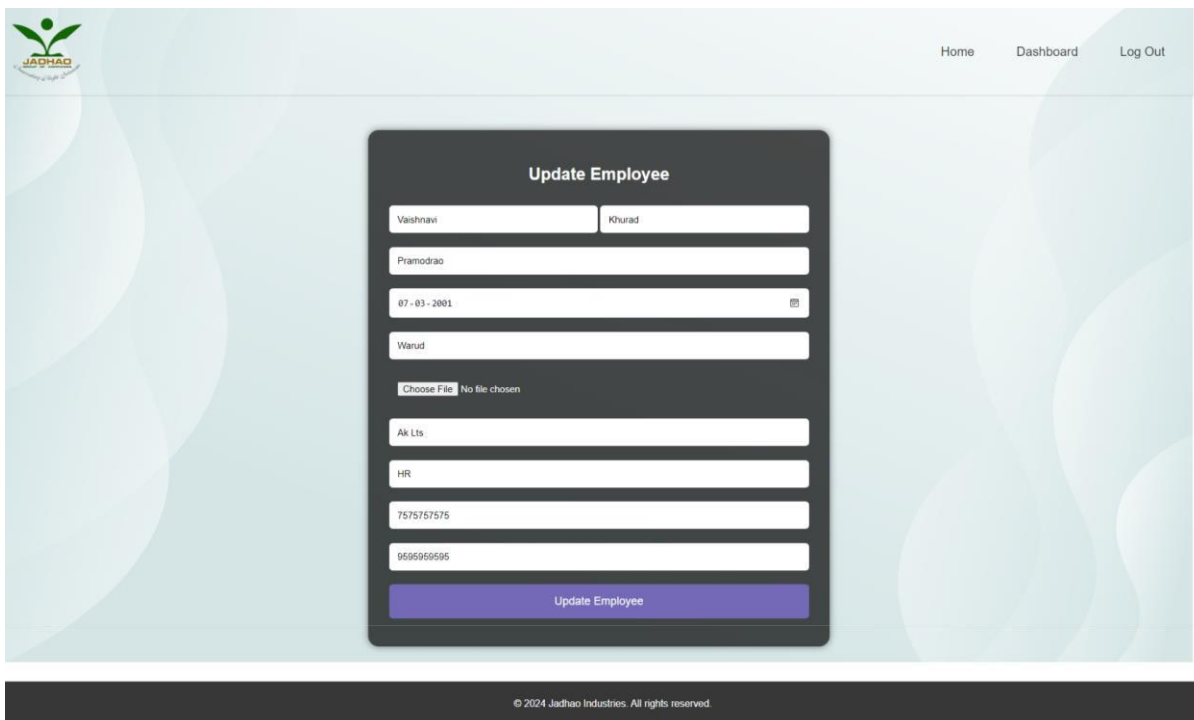
Add Employee

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Welcome to the Employee Registration page. Here, employees can register for workshops or seminars. Employees from other organizations can also register for these events.



Welcome to the View Employee page. Here, managers can view all details of employees.



Welcome to the Update Employee page. Here, managers can update employee details in case of any changes or corrections.



HomeDashboardLog Out

Select User

Mr. Aakash Meshram

EMP20763

Good

Date Of Issue:17-06-2024

Add Logos
(Max 4):

Choose Files6 files

Generate Certificate

Generate QR Code

Generate ID Card

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Welcome to the Generate Certificate, ID Card, and QR Code page. Here, admins can generate certificates, ID cards, and QR codes for employees. Admins can also allot remarks to employees.



This is the generated certificate for the employee. Employees can view and print their certificate from this page.

[Home](#)[Dashboard](#)[Log Out](#)

QR Code



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This is the generated QR code for the employee, which contains his basic information.



QR code



TXT

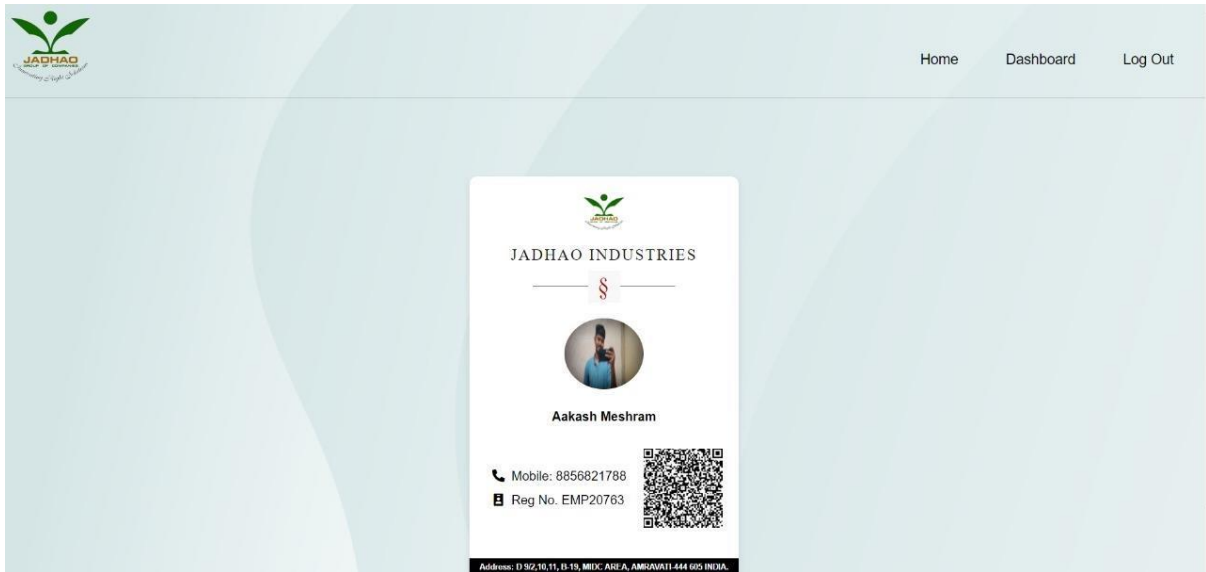


Employee ID: EMP20763
Name: Aakash Meshram
Company Name: AK Org
Workshop or Seminar: Tool Automation
Title: By JAdhao Group

QR Code

6/15/24 10:25 AM

This is the information fetched by scanning QR code.



This is the generated Id card of an employee .We can print this Id card.

Database Tables 1.adminlogin

#	id	username	password
1		1 admin	admin

This table contains username and password for the admin.

2.employee

#	empregno	fname	lname	fathersName	dob	contactAddress	photoPath
1	EMP20763	Aakash	Meshram	Sanjay	2001-05-20	Morshi	uploads/my_2.jpg
2	EMP23924	shivansh	khurad	ram	2002-12-06	warud	<NULL>
3	EMP82760	Vaishnavi	Khurad	Pramodrao	2001-03-07	Warud	uploads/WhatsApp Image 2023-12-2
4	EMP88217	Dnyanendrakantbabu	deshmukh	Gulabrao	1960-01-01	Walhode	uploads/WhatsApp Image 2023-12-2

This tables contains all the basic details of an employee including details of seminar or workshop.

3.manager

man

#	id	name	username	password
1	1	AKASH	manager1	manager1
2	2	Kale	manager2	manager2

This table contains username and password for manager.

4.seminar

#	id	name
1	14	Tool Automation

This table contains the seminar or workshop list.

5.title

#	id	name
1	17	By JAdhao Group

This table contains the titles list for seminar or workshop.

Conclusion

"Sertifier - Enterprise-Grade Solution for Designing, Sending, and Tracking Digital Credentials with Ease" offers a robust and efficient system for enterprise credential management. By leveraging JSP, Java Servlets, HTML, CSS, and JavaScript, the application effectively bifurcates into Admin and Manager modules to streamline employee registration, credential issuance, and performance tracking.

The Manager module allows for the efficient registration of employees for seminars and workshops, while the Admin module ensures seamless approval, ID card issuance with QR codes, and the generation of performance-based certificates. This comprehensive approach not only enhances the credibility and traceability of employee credentials but also significantly reduces administrative overhead. The system's adaptable and scalable architecture, coupled with a user-friendly interface, positions it as a valuable tool for enterprises aiming to improve operational efficiency and secure credential management.