



**K. K. Wagh Polytechnic, Nashik.**

HIRABAI HARIDAS VIDYANAGARI, AMRUTDHAM, PANCHAVATI, NASHIK-422003

**Department of Computer Technology**

## **Industrial Training Summer 2023**

**Name of Industry: R3 System India Pvt. Ltd.**

**Duration: 6 weeks**

**Presentation By:**

**Name of Student: Aditya Arun Dhakane**

**Class: TYCM-Lin**

**Roll No: 15**



## Department of Computer Technology Industrial Training Summer 2023

### Introduction of Industry

- **Name of the Company** :- R3 SYSTEMS INDIA PVT.LTD
- **Location** : - First Floor, Rohini Apartment, KBTCircle, GangapurRoad, NearSaraswatBank, ThatteNagar, Nashik,Maharashtra- 422005,India
- **Establishment** : - 2017
- **Email & Web Address** :- india.r3sys@gmail.com <https://www.r3sys.com/>
- **Name and Designation of Contact Person**:- Mr. Gauresh Suryawanshi (Chief Technical Officer)
- **Contact No**:- 8600033181
- **Type of Product**:- IT Software Development & Consultancies
- **Type of Control** :- Private
- **Type of Company** :- Small Scale
- **Total Number of Employees in Company** :- 30
- **Total Turnover of Company** :- 20 Lakh





## Department of Computer Technology Industrial Training Summer 2023

### Services Provided...

- Website Design Development
- Mobile application development
- Project Consulting
- Corporate Training
- Digital Marketing





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### Industrial Trainer/Supervisor Details



**Name:- Mr. Gauresh Suryawanshi Sir**  
**Designation:- CEO(Chief Executive Officer)**  
**& Software Developer**  
**Experience:- 4-5+ yrs. Experience**  
**Specialization:- Web Developer & Project**  
**Consultant**  
**Email- gauresh.r3sys@gmail.com**



## Department of Computer Technology Industrial Training Summer 2023

### Course Outline during Training

- Objectives of Training: To develop specific and useful knowledge, skills and techniques.
- Work performed week wise:

WEEKS	TOPICS/ WORK	DESCRIPTION
W1	<b>Software &amp; their types. Features of Java. Identifiers. Data types &amp; its Types. Constants. Method with different Approaches. Object Oriented Principles. Types of Members &amp; Methods. Data Printing and Program Structure. Constructor &amp; their Types. Wrapper Classes. This Keyword. Reading data from user. Inheritance &amp; their types. Super Keyword. Polymorphism &amp; their types. Method Overloading &amp; Overriding, Data Abstraction, Data Encapsulation. Dynamic Binding. Abstract Method &amp; Classes its types with Limitations. Etc.,</b>	<b>Solved Assignment`s and perform various programs on the mentioned topics.</b>



## Department of Computer Technology

### Industrial Training Summer 2023

#### Course Outline during Training

<b>WEEKS</b>	<b>TOPICS/WORK</b>	<b>DESCRIPTION</b>
<b>W2</b>	<b>Interface - Advantages, Syntax &amp; Example. Packages – Purpose, Definition, Advantages. Types of Packages. List of packages. Access Modifiers. Exception handling with blocks, Errors &amp; Exception. Multithreading. Life cycle of thread. Runnable Interface. Object Type Casting. Etc., Collection Framework- Purpose, Definition, Advantages. Types of CF. Its Classes &amp; Interfaces. Collection- List, Set, Map, Iterator</b>	<b>Solved Assignment`s and perform various programs on the mentioned topics.</b>
<b>W3</b>	<b>JDBC Its Architecture. Steps for DataBase Connection. Loading the drivers. Interaction with DB. Servlet – Introduction, How to Create ,Development of Servlet, Life Cycle . JSP –Intro -duction, How to Create, Life Cycle, JSP tags,Implicit Objects in JSP.</b>	<b>Solved Assignment`s and perform various programs on the DB Connectivity. Making Servlet &amp; JSP pages</b>



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### Course Outline during Training

<b>WEEKS</b>	<b>PROJECT WORK</b>	<b>DESCRIPTION</b>
<b>W4</b>	<ul style="list-style-type: none"><li>▪ <b>Project Topic</b></li><li>▪ <b>Research</b></li><li>▪ <b>Requirements</b></li><li>▪ <b>Design and Architecture</b></li></ul>	<ul style="list-style-type: none"><li>• <b>Search &amp; Finalize Project Topic : EV Charging Station Finder.</b></li><li>• <b>Gather data and requirements on existing EV charging stations and map their locations.</b></li><li>• <b>Create a user-friendly interface for the website.</b></li></ul>
<b>W5</b>	<ul style="list-style-type: none"><li>• <b>Development &amp; Implementation</b></li><li>• <b>Data Integration</b></li></ul>	<ul style="list-style-type: none"><li>• <b>Execute the project plan and build the solution.</b></li><li>• <b>Build the website module by module with features like search, updation pw, deletion and CS Approval.</b></li><li>• <b>Develop a system to regularly update and maintain the charging station database.</b></li></ul>



## Department of Computer Technology Industrial Training Summer 2023

### Course Outline during Training

WEEKS	PROJECT WORK	DESCRIPTION
W6	<ul style="list-style-type: none"><li>• Testing and Quality Assurance</li><li>• Monitoring and Evaluation</li><li>• Project Closure</li></ul>	<ul style="list-style-type: none"><li>• Verify that the project meets the required standards and functionality. Also Findout any bugs,defect occurred in project and fix it properly.</li><li>• Continuously assess the project's performance and gather feedback from project guide.</li><li>• Officially close the project, evaluate its success, and learn from the experience.</li></ul>





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### Course Outline during Training

- Languages/Platform/tools used: English, Java, HTML, CSS, Java Script, Eclipse IDE, MySQL, JDK 1.8, Xampp, Chrome etc.,
- Assignments solved:
  - Banking Services Console based Application
  - Remainder Services Console based Application
  - Student Record Services Console based Application
  - Console based Programs on basic concepts of Java





## Department of Computer Technology Industrial Training Summer 2023

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### Course Outline during Training

- Projects developed:
  - EV Charging Station Finder Website
  - Blood Bank Management System Website
  - Bank Management Services Website
  - Registration Form
- New learning skills acquired: Working on projects, solving the technical issues, confidence building.
- Technologies learned:
  - Web Designing
  - Web Development



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### Project Details implemented during Training

- Title: **EV Charging Station Finder**
- Development Platform: Eclipse IDE, JDK 1.8, MySQL server
- Output Generated: Developed Website
- **Snapshots :**

# Home Page

EV Charge Station x localhost / 127.0.0.1 / evcs\_db | p x +

localhost:8080/EV\_Charging\_Station\_Finder/

**"ElectriPort Plaza"**

PowerHub Admin

Home Admin Charging Stations User

Enter text to search Search

Revived Precaution Notifications PowerHub Incharge

## ELECTRIC VEHICLE RECHARGE STATION FINDER

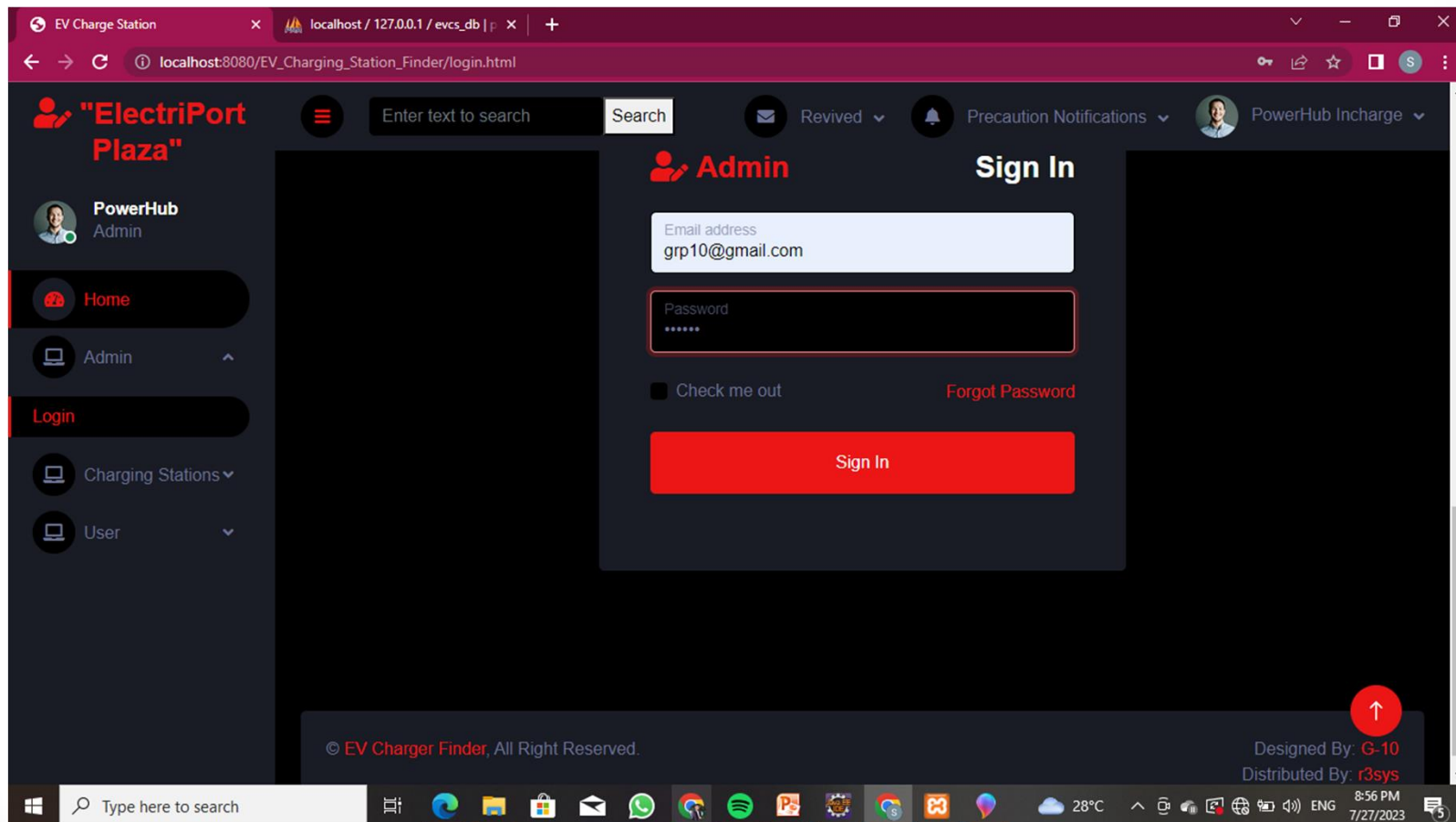
System

### Abstract

We are living in 21st century where all the work is done using technology and has become an integrated part of life. In this article we proposed the design and implementation of an electric vehicle (EV) charging station finder application developed in android studio using Java language. Due to the limitation of electrical power distribution network, Electric Vehicles charging stations are limited and to find them is hard for new EV owner. In order to provide information to users about the charging stations and to help user to navigate, it was also created a mobile application to help the EV owners on these processes. This Proposed EV finder Application helps EV owners to locate a charging station near them and to plan a journey and with many features.

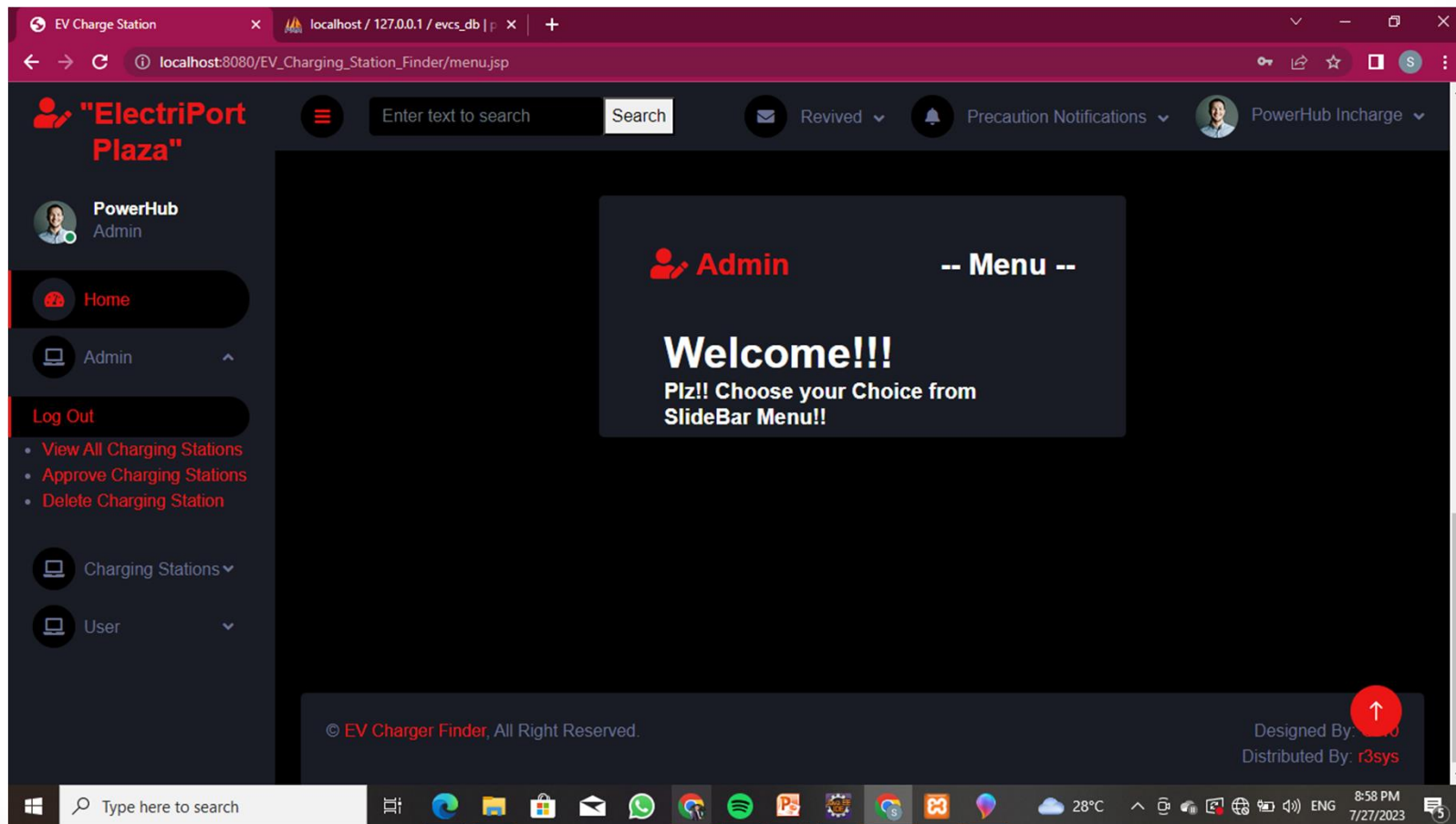
Nea... 8:45 PM 7/27/2023

# Admin Module



# After Admin Login

## Shows Admin Menu



# Admin Module SubMenu

## View All Charging Station

New Tab | localhost / 127.0.0.1 / bankdb / x | EV Charge Station

localhost:8080/EV\_Charging\_Station\_Finder/ViewAllStations.jsp

**"ElectriPort Plaza"**

PowerHub Admin

Home

Admin

Log Out

- View All Charging Stations
- Approve Charging Stations
- Delete Charging Station

Charging Stations

User

### View Charging Stations

ID	Station Name	Address	City	Taluka	District	Opening Time	Closing Time	Mobile Number	Latitude	Longitude
1	Vrundawan Charging station	Near Vrundawan Lawns,Dindori Highway,Dindori,Nashik,422202	Nashik	Dindori	Nashik	24/7	24/7	9876543210	20.1694081	73.8255183
2	Chhatrapati Shivaji Maharaj International Airport	P1,MLCP,Navpada,Vile Parle East	Mumbai	Navpada	Mumbai	24/7	24/7	8926786233	19.102170	72.957070
3	Super Car Garage	Raymond Office,Pokharan rd . Number 1	Thane West	JK Gram	Thane	24/7	24/7	7644332221	19.102170	72.862250
6	MIDC Avdhan	MIDC,Avdhan,Dhule,Maharashtra 425003	Dhule	Avdhan	Dhule	24/7	24/7	7523150988	20.815980	74.655660

Type here to search

9:12 AM 7/30/2023



# Admin Module SubMenu

## Approve Charging Station

New Tab | localhost / 127.0.0.1 / evcs\_db / | EV Charge Station

localhost:8080/EV\_Charging\_Station\_Finder/AfterView.jsp

**"ElectriPort Plaza"**

PowerHub Admin

Home

Admin

Log Out


- View All Charging Stations
- Approve Charging Stations
- Delete Charging Station

Charging Stations

User

Enter text to search Search

Revived Precaution Notifications PowerHub Incharge



### View Charging Station

ID	Station Name	Address	City	Taluka	District	Opening Time	Closing Time	Mobile Number	Latitude	Longitude	Password	Power	Status	Action	Action
6	MIDC Avdhan	MIDC, Avdhan, Dhule, Maharashtra 425003	Dhule	Avdhan	Dhule	24/7	24/7	7523150988	20.815980	74.655660	midc@avdhan	55	Pending	Delete	Approve

ght Reserved.

Designed By: ↑  
Distributed By: r3sys

localhost:8080/EV\_Charging\_Station\_Finder/approvestation.jsp?id=6

Type here to search

24°C 9:15 AM 7/30/2023



# Admin Module SubMenu

## Delete Charging Station

New Tab | localhost / 127.0.0.1 / evcs\_db / | EV Charge Station

localhost:8080/EV\_Charging\_Station\_Finder/ViewAllStations.jsp

**"ElectriPort Plaza"**

PowerHub Admin

Home

Admin

Charging Stations

User

Enter text to search Search

Revived

Precaution Notifications

PowerHub Incharge

### View Charging Stations

ID	Station Name	Address	City	Taluka	District	Opening Time	Closing Time	Mobile Number	Latitude	Longitude	Password	Power	Status	Action
1	Vrundawan Charging station	Near Vrundawan Lawns,Dindori Highway,Dindori,Nashik,422202	Nashik	Dindori	Nashik	24/7	24/7	9876543210	20.1694081	73.8255183	vrund@9087	-13	Approved	Delete
2	Chhatrapati Shivaji Maharaj International Airport	P1,MLCP,Navpada,Vile Parle East	Mumbai	Navpada	Mumbai	24/7	24/7	8926786233	19.102170	72.957070	csmia@12	33	Approved	Delete
3	Super Car Garage	Raymond Office,Pokharan rd . Number 1	Thane West	JK Gram	Thane	24/7	24/7	7644332221	19.102170	72.862250	scss@755	60	Approved	Delete
6	MIDC Avdhan	MIDC,Avdhan,Dhule,Maharashtra 425003	Dhule	Avdhan	Dhule	24/7	24/7	7523150988	20.815980	74.655660	midc@avdhan	55	Approved	Delete

localhost:8080/EV\_Charging\_Station\_Finder/deletestation.jsp?id=6

Type here to search

24°C

9:16 AM 7/30/2023

# Charging Station Module

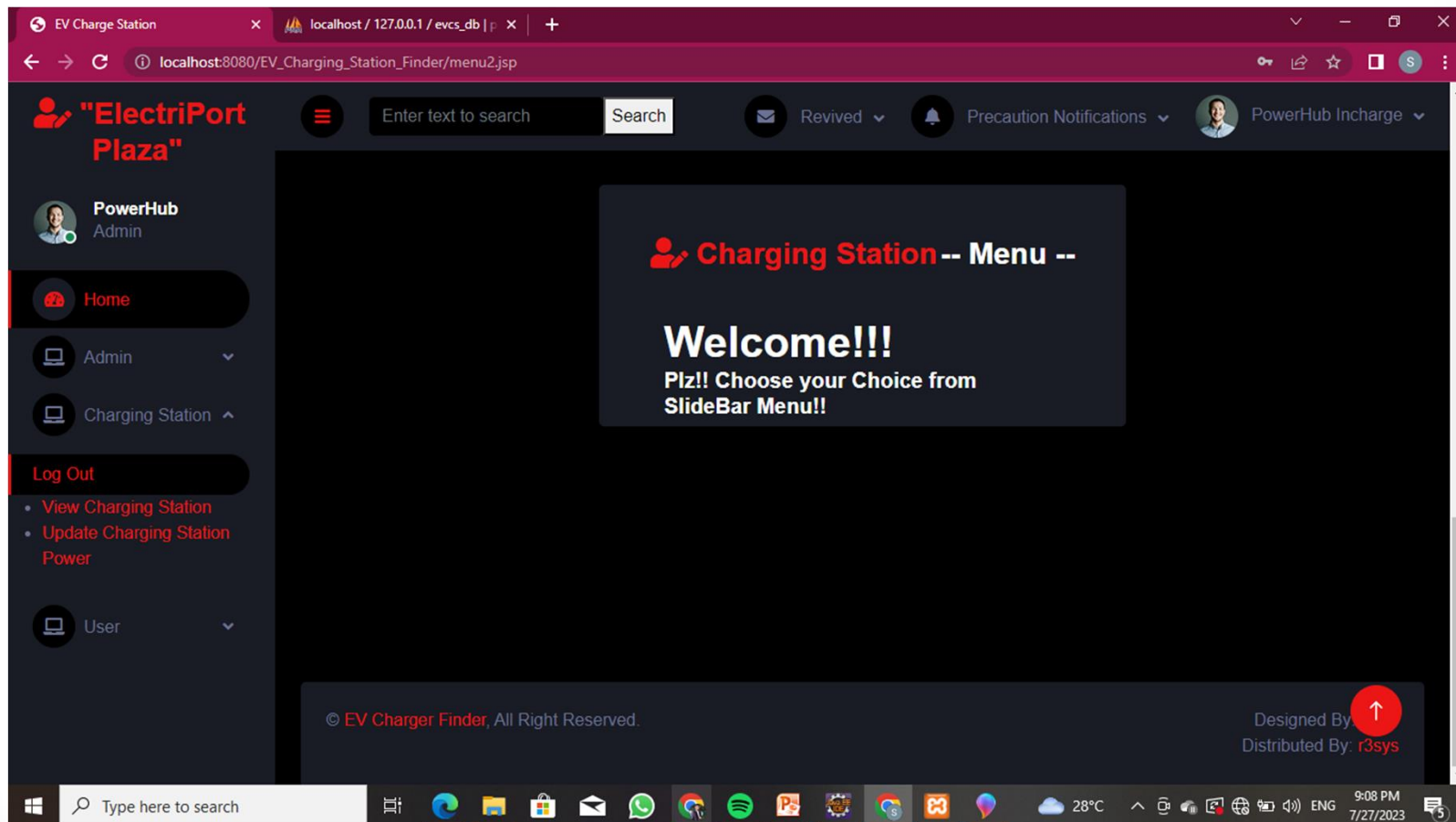
The screenshot displays a web browser window with the URL `localhost:8080/EV_Charging_Station_Finder/loginstation.html`. The application header includes the logo "ElectriPort Plaza", a search bar, and user information for "PowerHub Incharge". A sidebar on the left lists navigation options: Home, Admin, Charging Stations, and User. The main content area features a "Charging Station Login" modal with the following elements:

- Charging Station Login** header with a user icon.
- Enter Mobile Number** input field containing the value `9876543210`.
- Enter Password** input field with masked characters (dots).
- ☐ **Check me out** checkbox.
- Login** button.
- Link: **Don't have any Registerd Station? Register Station**.

A red circular button with an upward arrow is located at the bottom right of the login modal. The Windows taskbar at the bottom shows the system time as 9:06 PM on 7/27/2023.

# *After Charging Station Login*

## *Shows Charging Station Menu*



# Charging Station Module SubMenu

## View Charging Station

The screenshot displays the 'ElectriPort Plaza' web application interface. The top navigation bar includes a search bar, a 'Revived' status indicator, a 'Precaution Notifications' bell icon, and a 'PowerHub Incharge' user profile. The sidebar menu on the left contains 'Home', 'Admin', 'Charging Station', 'Log Out', and 'User' options. The main content area features three input fields for 'Enter Station City' (Thane West), 'Enter Station Taluka' (JK Gram), and 'Enter Station District' (Thane), followed by a 'Search' button. The page title 'View Charging Station' is visible at the bottom of the main content area. The bottom status bar shows the date and time as 9:29 AM on 7/30/2023.

# Charging Station Module SubMenu

## Update Charging Station Power

The screenshot shows a web browser window with the URL `localhost:8080/EV_Charging_Station_Finder/updatepower.html`. The application interface includes a top navigation bar with a search bar, a user profile for 'PowerHub Incharge', and a left sidebar with menu items: Home, Admin, Charging Station, and User. The main content area displays a modal titled 'Update Power' with a 'CS' icon. The form contains two text input fields: the first is labeled 'Enter Station Name' and contains the text 'Chhatrapati Shivaji Maharaj International Airport'; the second is labeled 'Enter Total Power of Station has been used (in' and contains the value '35'. Below these fields is a checkbox labeled 'Check me out' which is currently unchecked. A red 'Update' button is positioned at the bottom of the form. A red circular button with an upward arrow is located in the bottom right corner of the main content area. The Windows taskbar at the bottom shows the time as 9:30 AM on 7/30/2023.

New Tab x localhost / 127.0.0.1 / evcs\_db / EV Charge Station x +

localhost:8080/EV\_Charging\_Station\_Finder/updatepower.html

**"ElectriPort Plaza"**

PowerHub Admin

Home Admin Charging Station User

Enter text to search Search

Revived Precaution Notifications PowerHub Incharge

**CS Update Power**

Enter Station Name  
Chhatrapati Shivaji Maharaj International Airport

Enter Total Power of Station has been used (in  
35

☐ Check me out

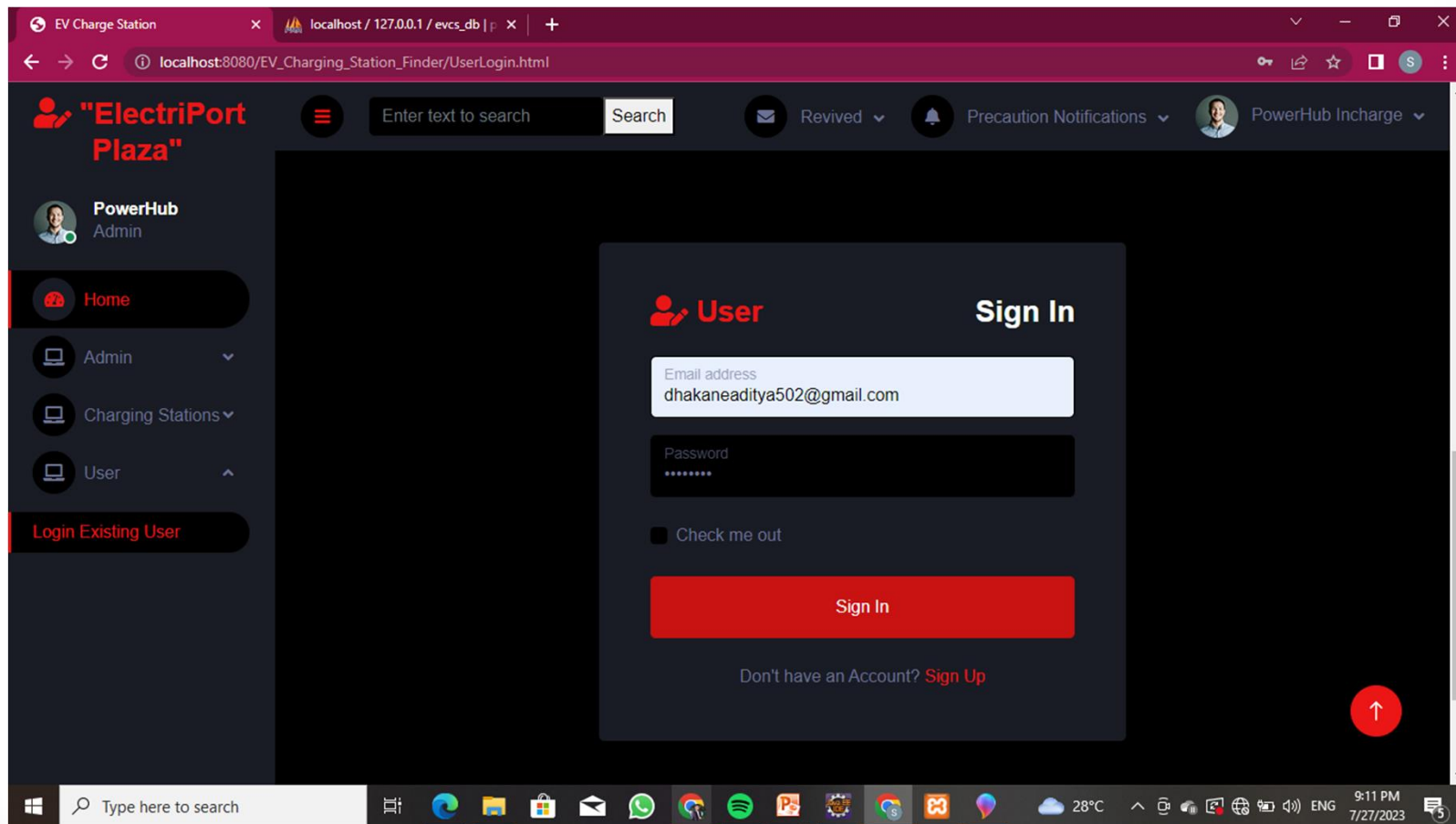
Update

↑

Type here to search

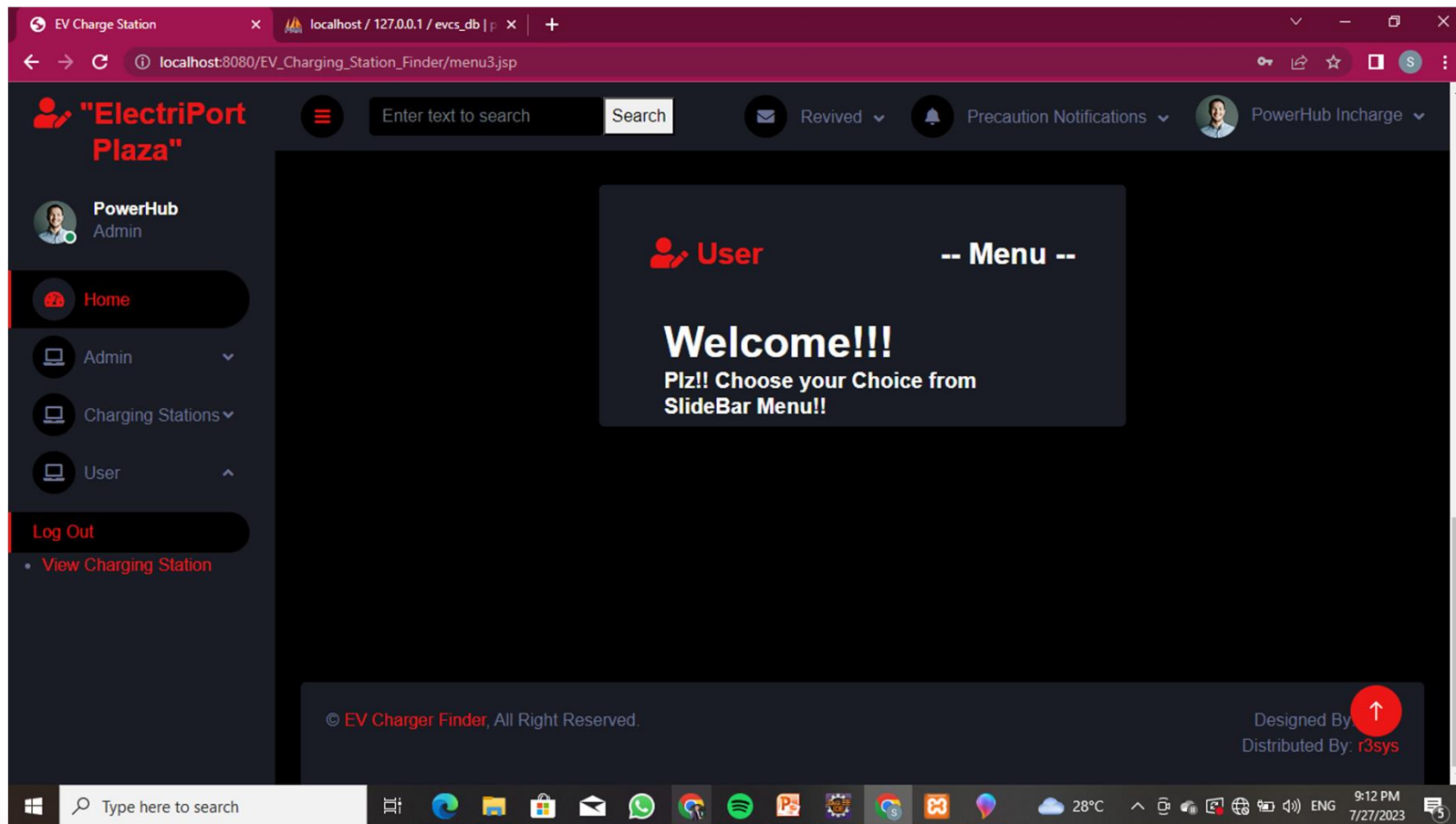
Air... 9:30 AM 7/30/2023

# User Module



# After User Login

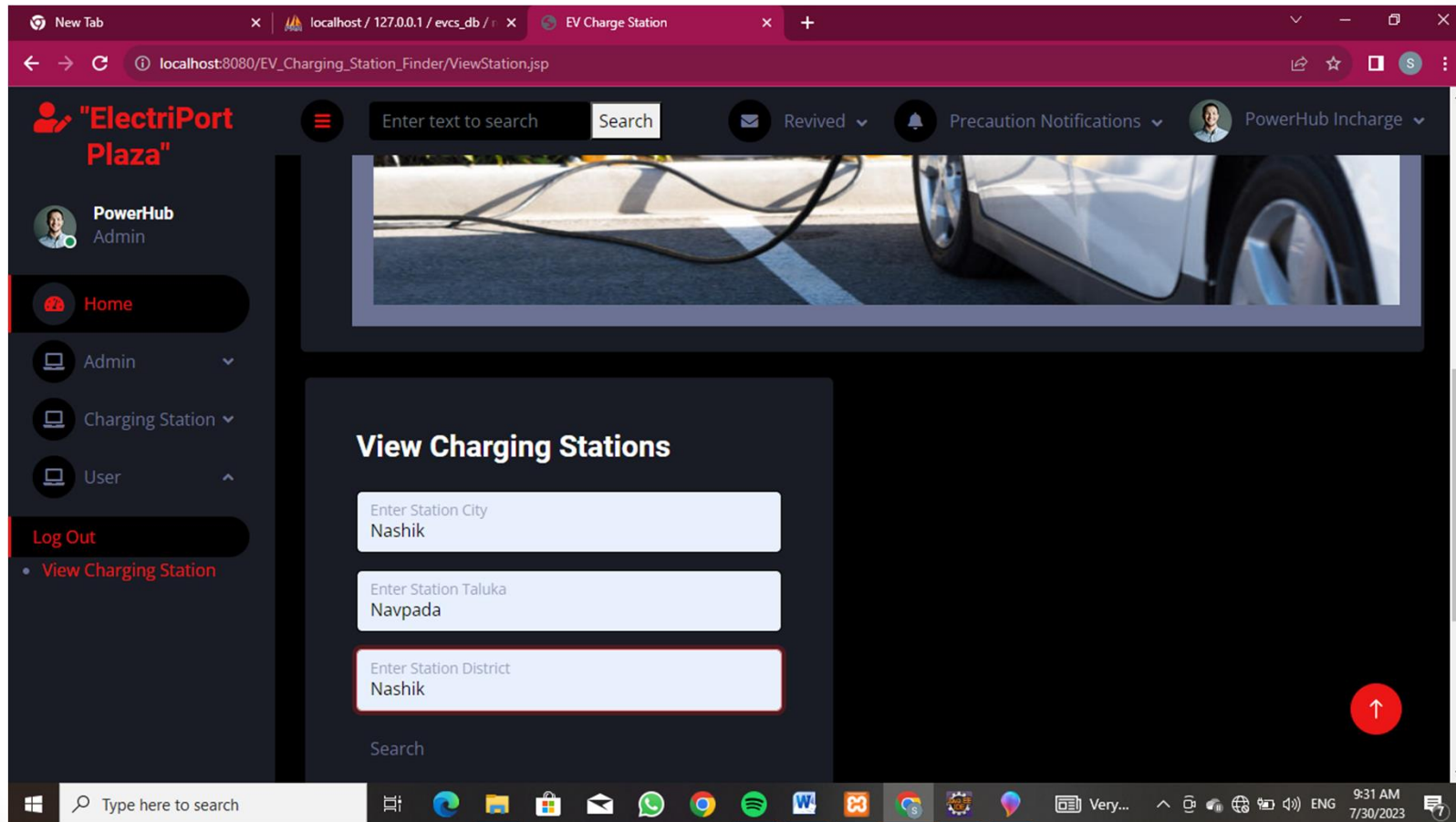
## Shows User's Menu





# User Module SubMenu

## View Charging Station







## Department of Computer Technology Industrial Training Summer 2023

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### Project Details implemented during Training

- Title: **Bank Management Services**
- Development Platform: Eclipse IDE, JDK 1.8, MySQL server
- Output Generated: Developed Website
- **Snapshots :**

# Home Page

The screenshot shows a web browser window with three tabs: 'New Tab', 'localhost / 127.0.0.1 / bankdb / ...', and 'Admin Login Panel'. The address bar shows 'localhost:8080/Bank\_Software/'. The page features a purple header with the 'ICICI BANK' logo and a user profile 'Aditya Dhakane'. A left sidebar contains navigation links: 'Create Account', 'Deposit Money', 'Withdraw Money', 'Transfer Money', 'View Accounts', 'View Specific Account', and 'Logout'. The main content area is titled 'SIGN IN NOW' and contains a login form with a text input for 'admin@gmail.com', a password input with masked characters '....', and a 'SIGN IN' button. Below the button is a link: 'Don't Have an Account ? Create an account'. The Windows taskbar at the bottom shows the search bar, various application icons, and system information including '26°C' and '8:16 PM 7/29/2023'.

New Tab x localhost / 127.0.0.1 / bankdb / ... x Admin Login Panel x +

localhost:8080/Bank\_Software/

ICICI BANK

Create Account

Deposit Money

Withdraw Money

Transfer Money

View Accounts

View Specific Account

Logout

SIGN IN NOW

admin@gmail.com

....

SIGN IN

Don't Have an Account ? [Create an account](#)

Type here to search

26°C 8:16 PM 7/29/2023

## Create an Account Section

New Tab | localhost / 127.0.0.1 / bankdb / x | New Account

localhost:8080/Bank\_Software/createAccount.html

### ICICI BANK

- Create Account
- Deposit Money
- Withdraw Money
- Transfer Money
- View Accounts
- View Specific Account
- Logout

## CREATE A NEW ACCOUNT

Account Number:  
1006

Account Holder Name:  
Nitin

Contact Number:  
8782377823

Account Opening Balance:  
5000

CREATE ACCOUNT

Have an Account ? [Login account](#)

Type here to search

26°C 8:21 PM 7/29/2023

# Deposit Money Section

New Tab x localhost / 127.0.0.1 / bankdb / x Deposit Money x +

localhost:8080/Bank\_Software/deposit.html

ICICI BANK

- Create Account
- Deposit Money
- Withdraw Money
- Transfer Money
- View Accounts
- View Specific Account
- Logout

DEPOSIT MONEY

Account Number:

1004

Amount:

700

DEPOSIT MONEY

Type here to search

26°C 8:18 PM 7/29/2023

# Withdraw Money Section

New Tab | localhost / 127.0.0.1 / bankdb / x | Withdraw Money

localhost:8080/Bank\_Software/withdraw.html

## ICICI BANK

- Create Account
- Deposit Money
- Withdraw Money
- Transfer Money
- View Accounts
- View Specific Account
- Logout

### WITHDRAW MONEY

Account Number:

Amount:

WITHDRAW MONEY

Type here to search

26°C 8:19 PM 7/29/2023

# Transfer Money Section

New Tab x localhost / 127.0.0.1 / bankdb / x Transfer Money x +

localhost:8080/Bank\_Software/transfer.html

ICICI BANK

- Create Account
- Deposit Money
- Withdraw Money
- Transfer Money
- View Accounts
- View Specific Account
- Logout

## TRANSFER MONEY

Sender Account:  
1003

Receiver Account:  
1005

Enter Amount to Transfer:  
2000

TRANSFER MONEY

Type here to search

26°C 8:20 PM 7/29/2023 ENG

# View Accounts Section

Browser tabs: New Tab, localhost / 127.0.0.1 / bankdb /, Apache Tomcat/7.0.64 - Error rep, View Account

Address bar: localhost:8080/Bank\_Software/viewAccount1.jsp

Navigation links: Gmail, YouTube, Maps

ICICI BANK

- Create Account
- Deposit Money
- Withdraw Money
- Transfer Money
- View Accounts
- View Specific Account
- Logout

## VIEW ALL ACCOUNTS

Account Number	Name	Contact	Balance	Action
1001	Yogesh	9765166403	5000	Delete
1002	Sahil	8989820212	8010	Delete
1003	Kiran	9087651230	15000	Delete
1004	Krish	9356352576	10700	Delete
1005	Gaurav	8734219831	10600	Delete
1008	Gauresh	8734219831	9000	Delete

Print

Windows taskbar: Type here to search, 26°C, 8:37 PM, 7/29/2023



# View Specific Accounts Section

Browser tabs: New Tab, localhost / 127.0.0.1 / bankdb /, Apache Tomcat/7.0.64 - Error rep, View Specific Account

Address bar: localhost:8080/Bank\_Software/viewSpecific1.jsp?accno=1003

Navigation links: Gmail, YouTube, Maps

**ICICI BANK**

- Create Account
- Deposit Money
- Withdraw Money
- Transfer Money
- View Accounts
- View Specific Account
- Logout

**SEARCH ACCOUNT**

Account Number:

**VIEW ACCOUNTS**

Account Number	Name	Contact	Balance	Action
1003	Kiran	9087651230	15000	Delete

Windows taskbar: Type here to search, 26°C, 8:39 PM, 7/29/2023





## Department of Computer Technology Industrial Training Summer 2023

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### References and Conclusion

— List of web references taken:

- <https://www.w3school.com/>
- <https://www.bootstrap.com/>
- <https://www.r3sys.com/>
- <https://chargefinder.com/en>
- <https://nexonev.tatamotors.com/charging-locator/>

— End Result:

- Learned different Languages and software's which are used by company to develop applications.
- We learned how to make different websites.
- Learned how to design project flow from client requirements.
- We studied entire process of software development and its uses.



## Department of Computer Technology Industrial Training Summer 2023

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### References and Conclusion

#### — Outcome of Training:

- We went through different products developed by the company and understood different features of that products.
- We learned the concept of making Application and web hosting.
- We saw live demonstration of Server Configuration.
- We studied all services provided by R3System.



## Department of Computer Technology Industrial Training Summer 2023

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Thank You