



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 (7th June 2023 to 23rd July 2023)

Presentation By:

Name of Student: Aditya Arun Dhakane

Class: TYCM-Lin

Roll No: 16



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





Department of Computer Technology

Industrial Training Summer 2023

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



Department of Computer Technology

Industrial Training Summer 2023

Course Outline during Training

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



Department of Computer Technology

Industrial Training Summer 2023

Course Outline during Training

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



Department of Computer Technology

Industrial Training Summer 2023

Course Outline during Training

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



Department of Computer Technology

Industrial Training Summer 2023

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

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



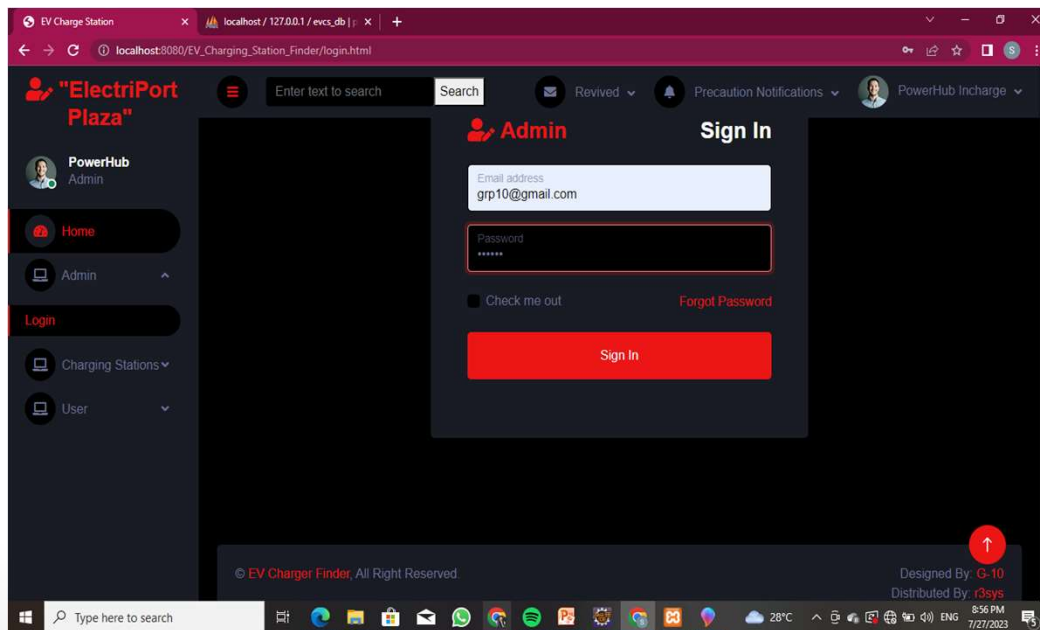
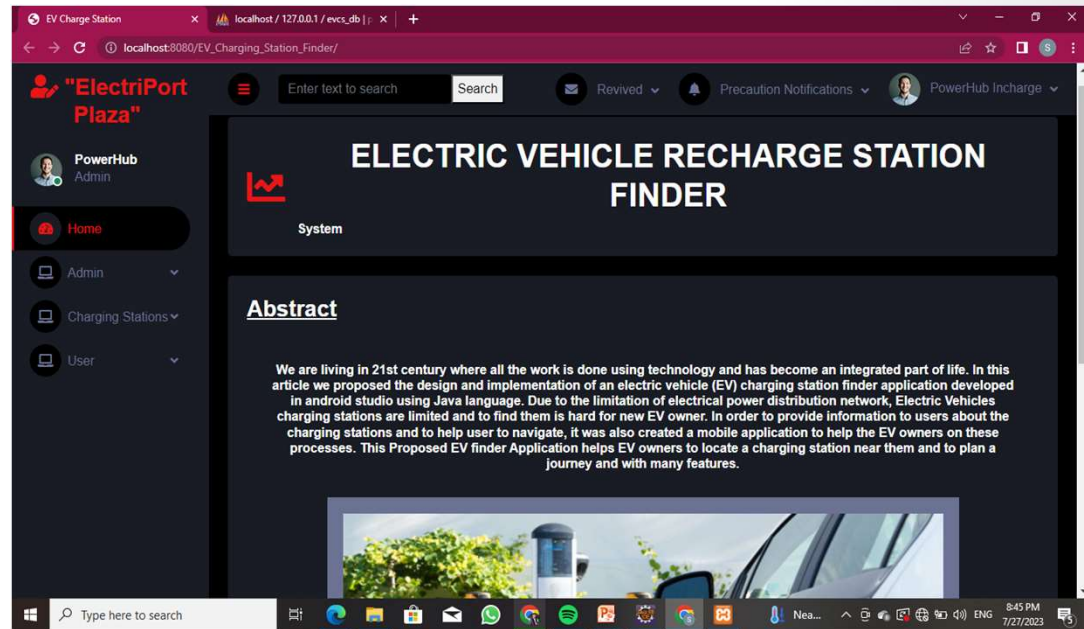
Department of Computer Technology

Industrial Training Summer 2023

Project Details implemented during Training

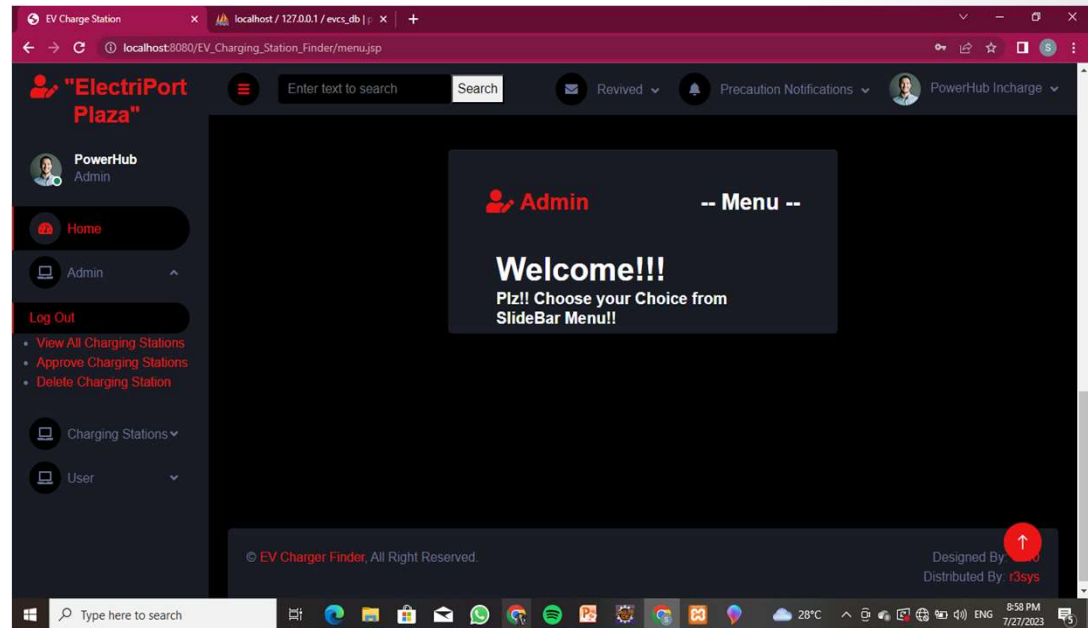
- Title: **EV Charging Station Finder**
- Development Platform: Eclipse IDE, JDK 1.8, MySQL server
- Output Generated: Developed Website
- **Snapshots :**

Home Page



Admin Module

After Admin Login
Shows Admin Menu



The screenshot shows the 'View Charging Stations' page. The table below lists the 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	72.957070
6	MIDC Avdhan	MIDC, Avdhan, Dhule, Maharashtra 425003	Dhule	Avdhan	Dhule	24/7	24/7	7523150988	20.815980	74.655660

Admin Module SubMenu
View All Charging Station

Admin Module SubMenu

Approve Charging Station

The screenshot shows the 'View Charging Station' page for a specific station (ID 6). The station details are as follows:

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	mldc@avdhan	55	Pending	Delete	Approve

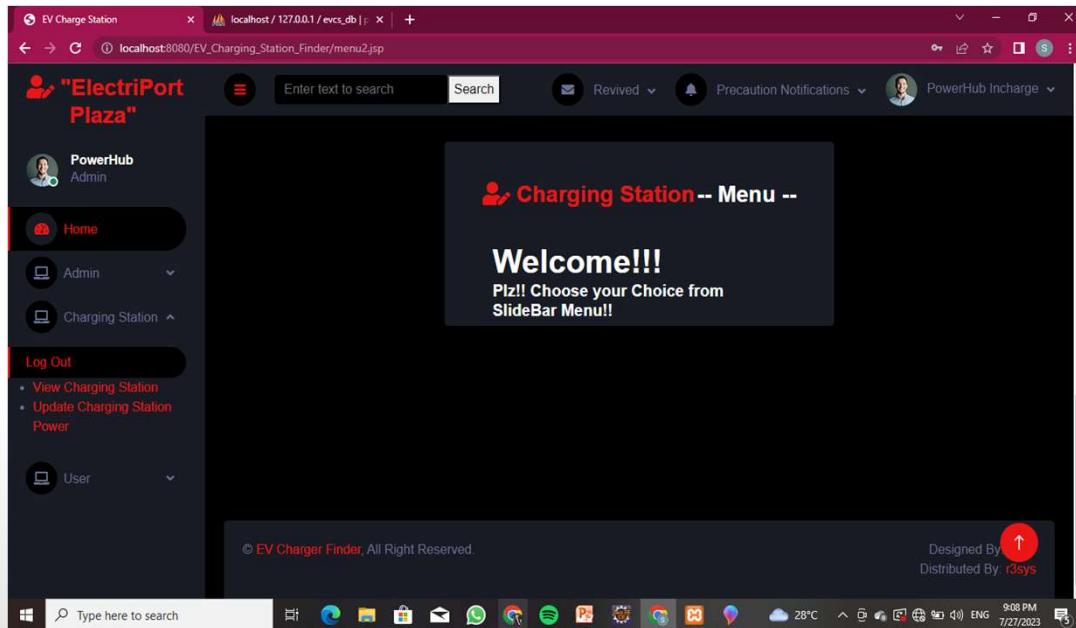
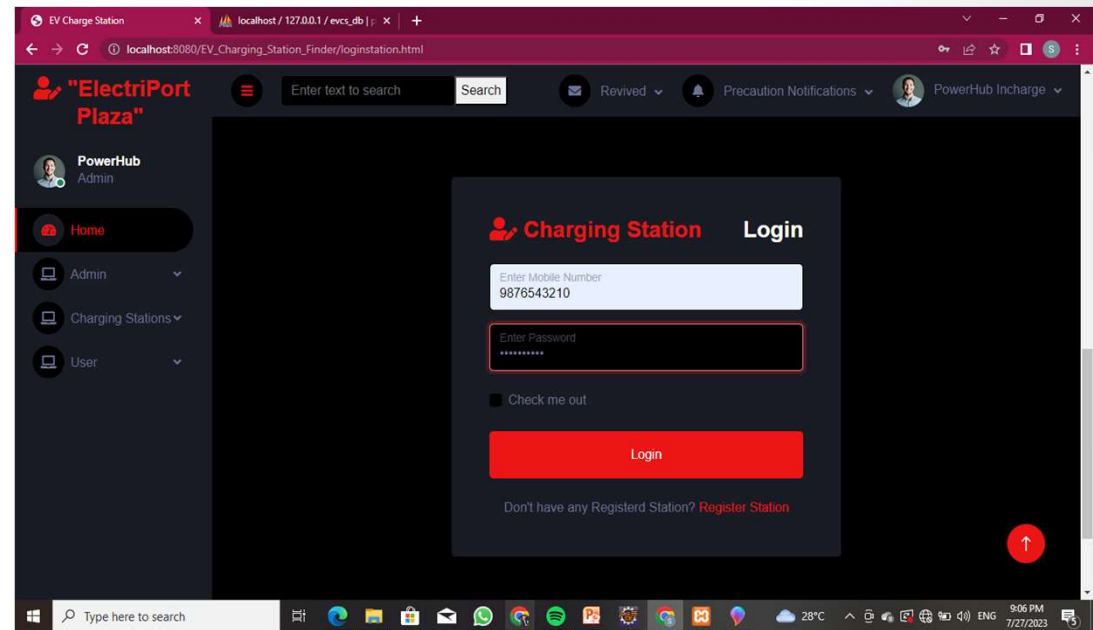
The screenshot shows the 'View Charging Stations' page with a list of four stations. The details for each station are as follows:

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 Shivaaji Maharaj International Airport	P1, MLCP, Navpada, Vile Parle East	Mumbai	Navpada	Mumbai	24/7	24/7	8926786233	19.102170	72.957070	csmla@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	mldc@avdhan	55	Approved	Delete

Admin Module SubMenu

Delete Charging Station

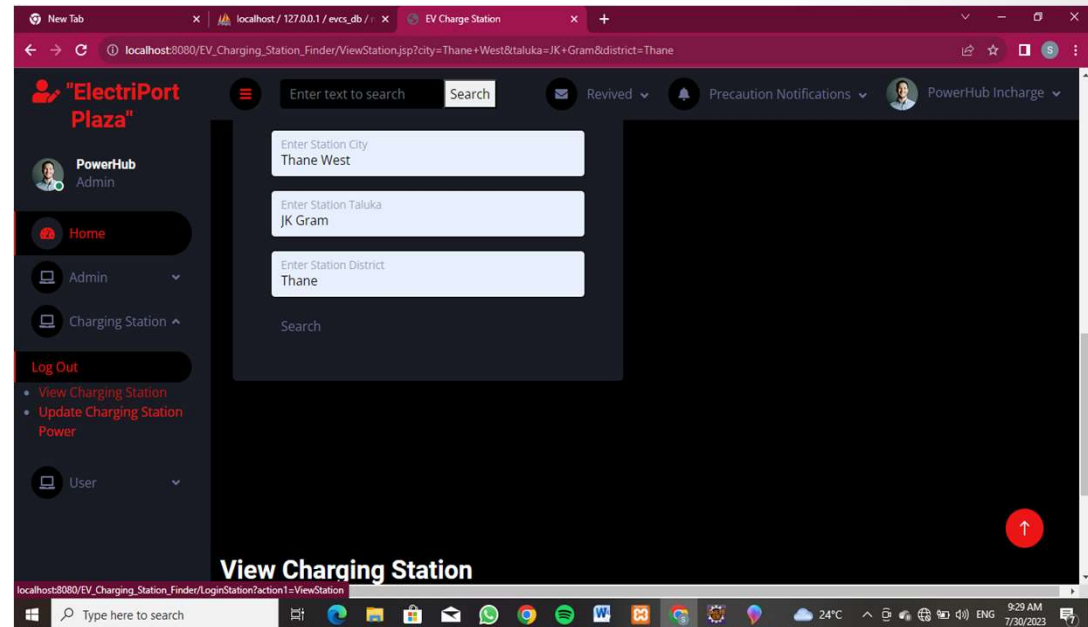
Charging Station Module



*After Charging Station Login
Shows Charging Station Menu*

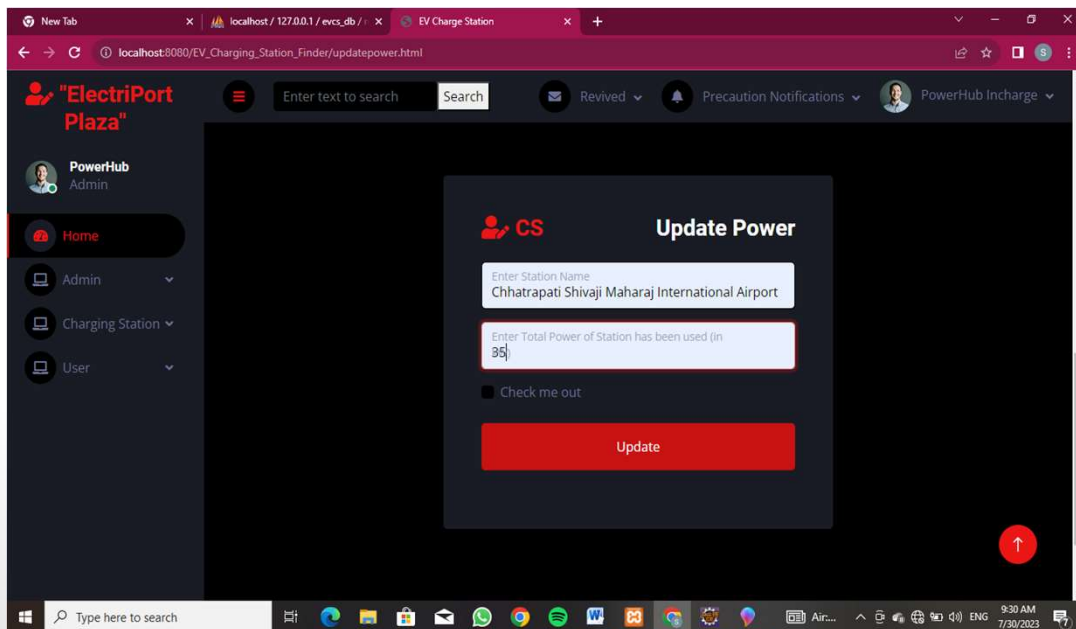
Charging Station Module SubMenu

View Charging Station

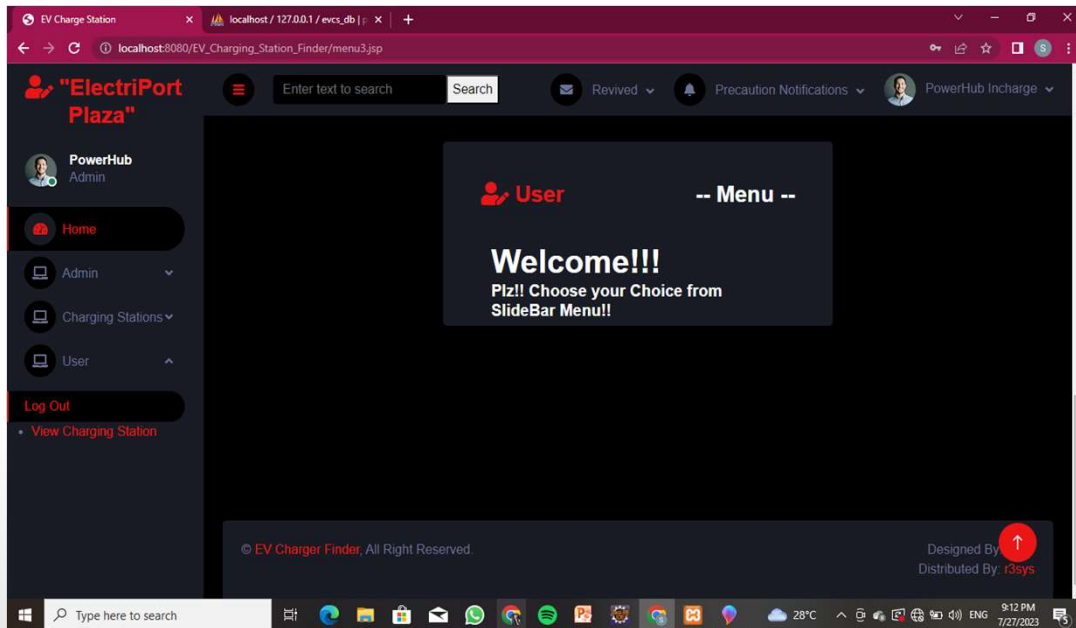
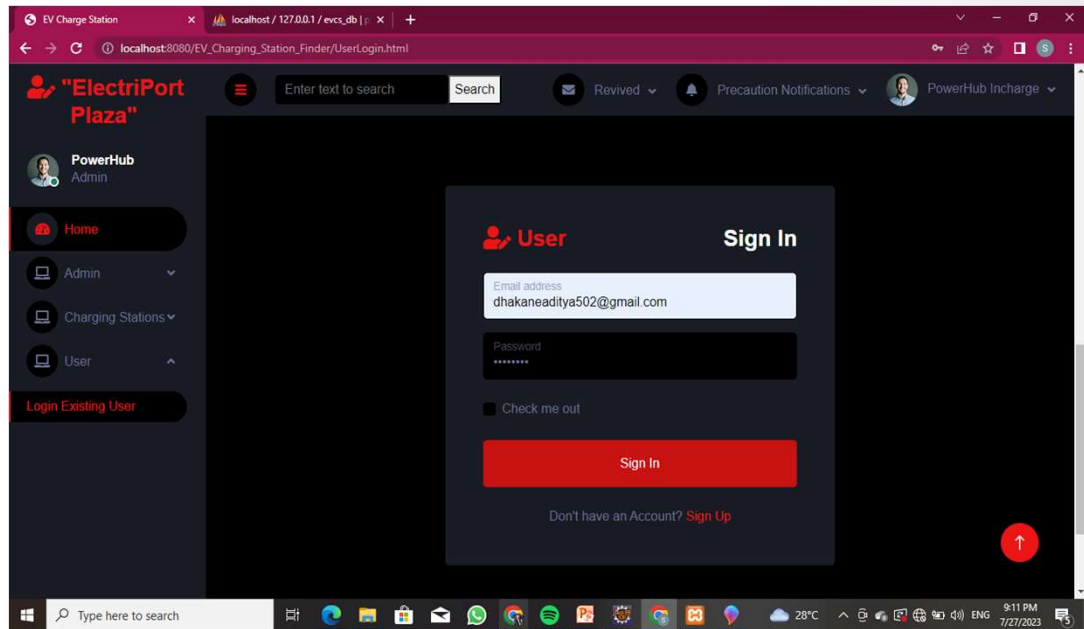


Charging Station Module SubMenu

Update Charging Station
Power



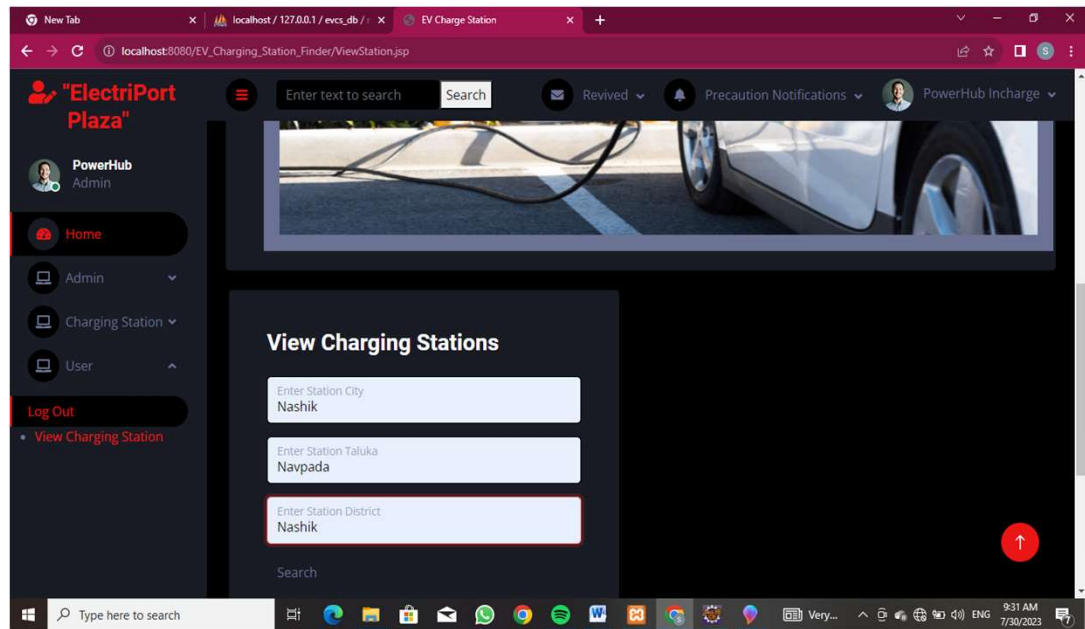
User Module



After User Login
Shows User's Menu

User Module SubMenu

View Charging Station





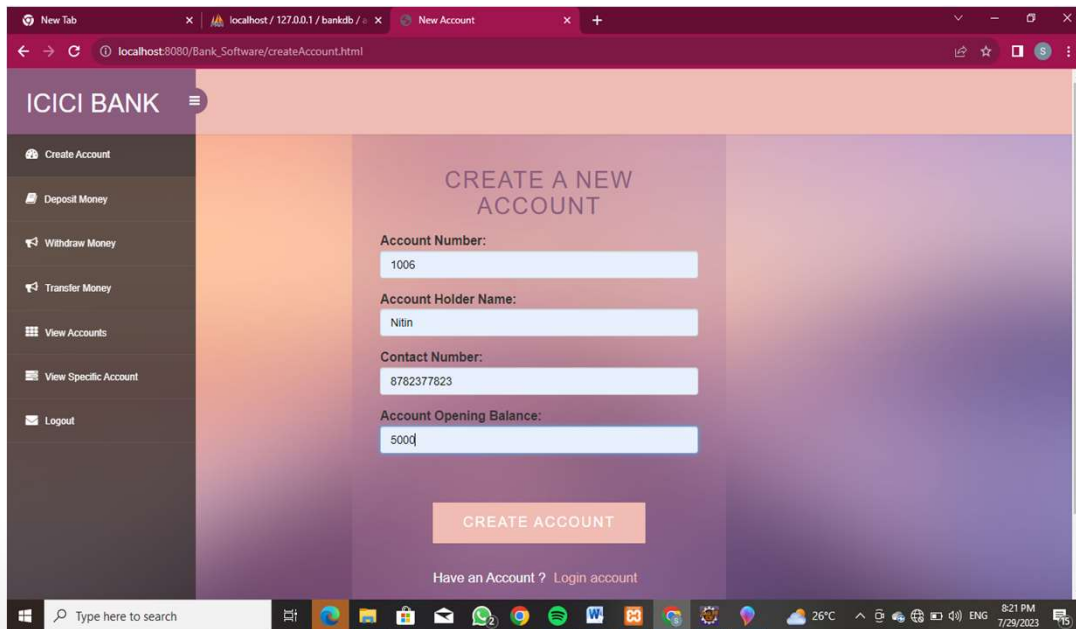
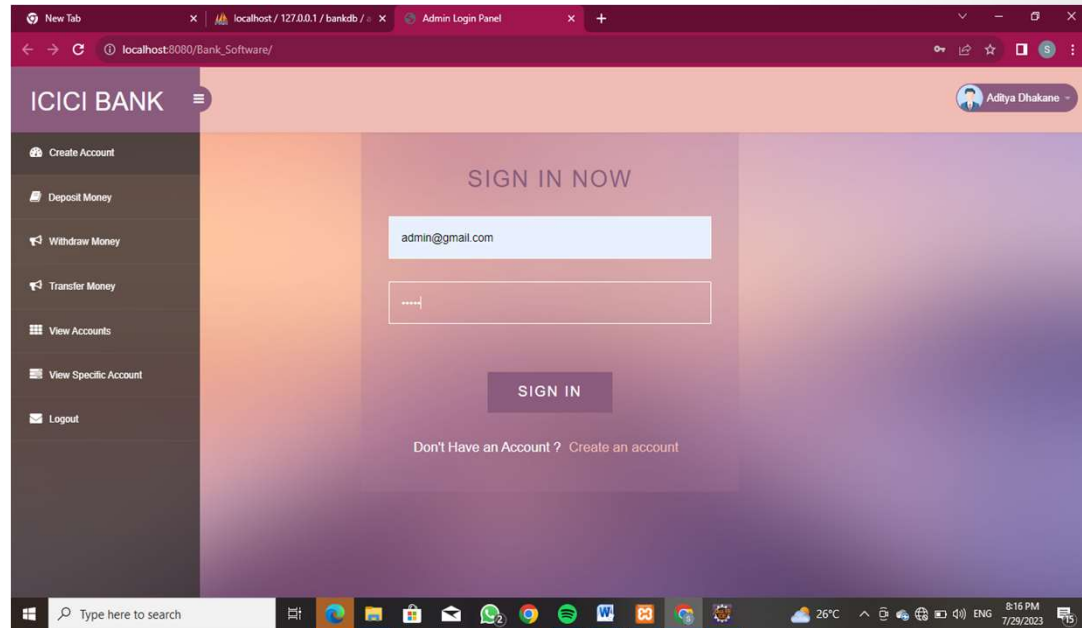
Department of Computer Technology

Industrial Training Summer 2023

Project Details implemented during Training

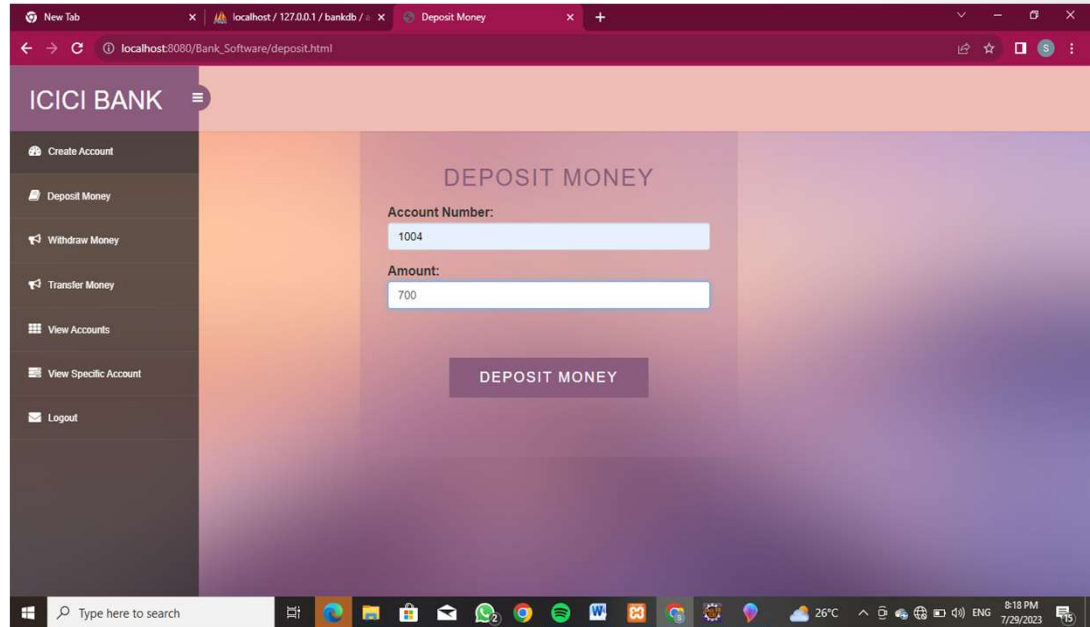
- Title: **Bank Management Services**
- Development Platform: Eclipse IDE, JDK 1.8, MySQL server
- Output Generated: Developed Website
- **Snapshots :**

Home Page

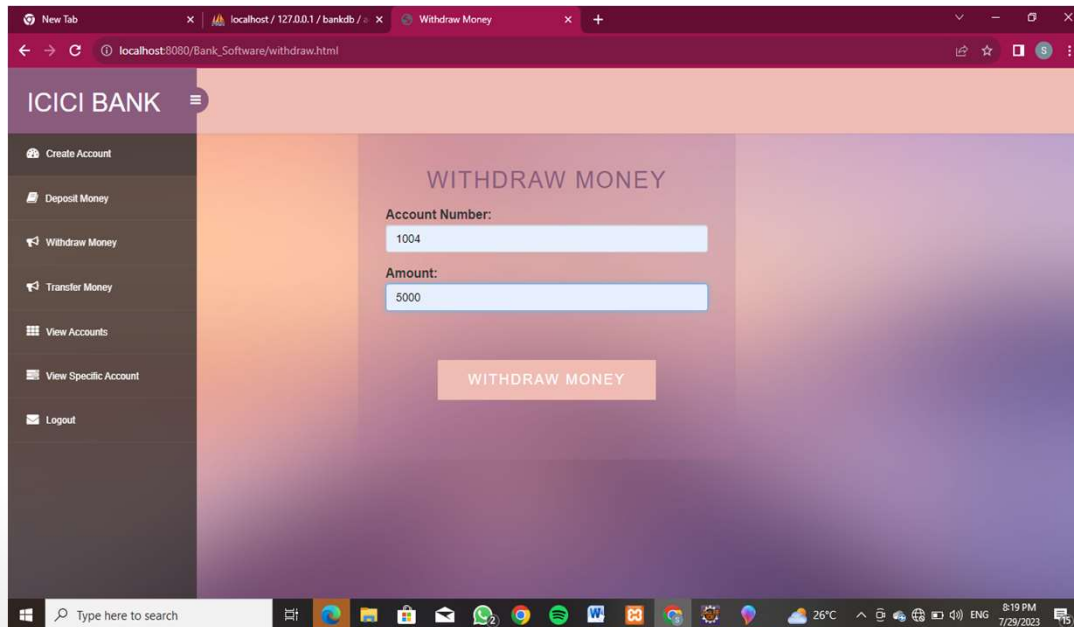


Create an Account Section

Deposit Money Section



The screenshot shows a web browser window with the URL `localhost:8080/Bank_Software/deposit.html`. The page is titled "ICICI BANK" and features a sidebar menu with options: "Create Account", "Deposit Money", "Withdraw Money", "Transfer Money", "View Accounts", "View Specific Account", and "Logout". The main content area is titled "DEPOSIT MONEY" and contains two input fields: "Account Number:" with the value "1004" and "Amount:" with the value "700". Below these fields is a purple button labeled "DEPOSIT MONEY". The browser's taskbar at the bottom shows the time as 8:18 PM on 7/29/2023.



The screenshot shows a web browser window with the URL `localhost:8080/Bank_Software/withdraw.html`. The page is titled "ICICI BANK" and features a sidebar menu with options: "Create Account", "Deposit Money", "Withdraw Money", "Transfer Money", "View Accounts", "View Specific Account", and "Logout". The main content area is titled "WITHDRAW MONEY" and contains two input fields: "Account Number:" with the value "1004" and "Amount:" with the value "5000". Below these fields is a purple button labeled "WITHDRAW MONEY". The browser's taskbar at the bottom shows the time as 8:19 PM on 7/29/2023.

Withdraw Money Section

Transfer Money Section

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

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

View Accounts Section

View Specific Accounts Section

The screenshot shows a web application interface for 'ICICI BANK'. The browser's address bar indicates the URL is `localhost:8080/Bank_Software/viewSpecific.jsp?accno=1003`. The sidebar on the left contains the following menu items: Create Account, Deposit Money, Withdraw Money, Transfer Money, View Accounts, View Specific Account (selected), and Logout. The main content area is titled 'SEARCH ACCOUNT' and features a text input field for 'Account Number:' with the value '1003' entered. Below the input field is a 'Search' button. Underneath the search section, there is a 'VIEW ACCOUNTS' section containing a table with the following data:

Account Number	Name	Contact	Balance	Action
1003	Kiran	9087651230	15000	Delete

The Windows taskbar at the bottom shows the system clock as 8:39 PM on 7/29/2023, with a temperature of 26°C and various system icons.



Department of Computer Technology

Industrial Training Summer 2023

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

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

Thank You