



Dept. of CS&E (DATA SCIENCE)
Adichunchanagiri Institute of Technology
Chikkamagaluru – 577102



Mini project– final presentation

“Electricity Billing Management System”

Presented By,

GuruKiran K S (USN:4AI23CD400)
Hemanth.mk (USN:4AI22CD030)
Supreeth.VS (USN:4AI22CD057)
Harsha M G (USN
4AI22CD024)

Under the Guidance
of Prof. Gagana
madam

Electricity Billing Management System

The Electricity Billing Management System is designed to the billing process for electricity consumption. Our aims to create a website ,where user can login ,overview user's data like power consumption , taxes and also to pay bills in online.



Problem Statement:

- Electricity bill aims to implement the system that will help to ensure that it meets the needs of all stakeholders, and leads to a more efficient and customer-friendly billing process.

Home page

The screenshot shows a web browser window with the URL `localhost/PhpProject6/index.php`. The page has a dark blue header with the title "E-Billing System" and a login section containing an email input field with `admin@gmail.com`, a password input field, and a green "Sign In" button. Below the header, the main content area is split into two columns. The left column is titled "Electricity Billing System" and contains a paragraph: "This website at the end of its construction will act as a consumer oriented service for users for easy payment of their respective Electricity Bill as well as interact with their providers in case of any queries or grievances." The right column is titled "Sign Up" and contains a vertical stack of input fields for "Full Name", "Email", "Password", "Confirm Password", "Contact No.", and "Address", followed by a blue "Sign Up" button. At the bottom of the page, there is a section titled "How this Portal works". The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons, with the system clock indicating 02:14 PM on 10-12-2024.

E-Billing System

admin@gmail.com Password Sign In

Electricity Billing System

This website at the end of its construction will act as a consumer oriented service for users for easy payment of their respective Electricity Bill as well as interact with their providers in case of any queries or grievances.

Sign Up

Full Name

Email

Password

Confirm Password

Contact No.

Address

Sign Up

How this Portal works

Customer details :-

The screenshot shows the 'Customer Details' page of the E-Billing System. The page has a dark sidebar with navigation links: Dashboard, Customers, Billings, and Complaints. The main content area displays a table of customer information. At the bottom of the table, there are buttons for 'NEW' and 'EDIT'. The footer of the page says 'Created by E-BILLING SYSTEM'.

#	Name	Email	Contact	Address
1	gurunathan	gurunathan@gmail.com	7882243384	karur
2	harishankar	harishankar@gmail.com	9445217604	Chennai
3	harishankar	harishankar@gmail.com	8881234567	Chennai
4	harishankar	harishankar@gmail.com	7881234567	Chennai
5	harishankar	harishankar@gmail.com	7881234567	Chennai

Bill transaction :-

The screenshot shows the 'Bills' page of the E-Billing System. The page has a dark sidebar with navigation links: Dashboard, Customers, Billings, and Complaints. The main content area displays a table of bill transactions. At the bottom of the table, there are buttons for 'NEW' and 'EDIT'. The footer of the page says 'Created by E-BILLING SYSTEM'.

Bill No.	Customer	Date	UNITS Consumed	Amount	Due Date	Status
BN_01	gurunathan	2024-11-22	8	\$12.00	2024-12-22	PENDING
BN_02	harishankar	2024-11-22	8	\$12.00	2024-12-22	PENDING
BN_03	harishankar	2024-11-22	8	\$12.00	2024-12-22	PENDING
BN_04	gurunathan	2024-11-22	45	\$60.00	2024-12-22	PENDING
BN_05	harishankar	2024-11-22	8	\$12.00	2024-12-22	PENDING

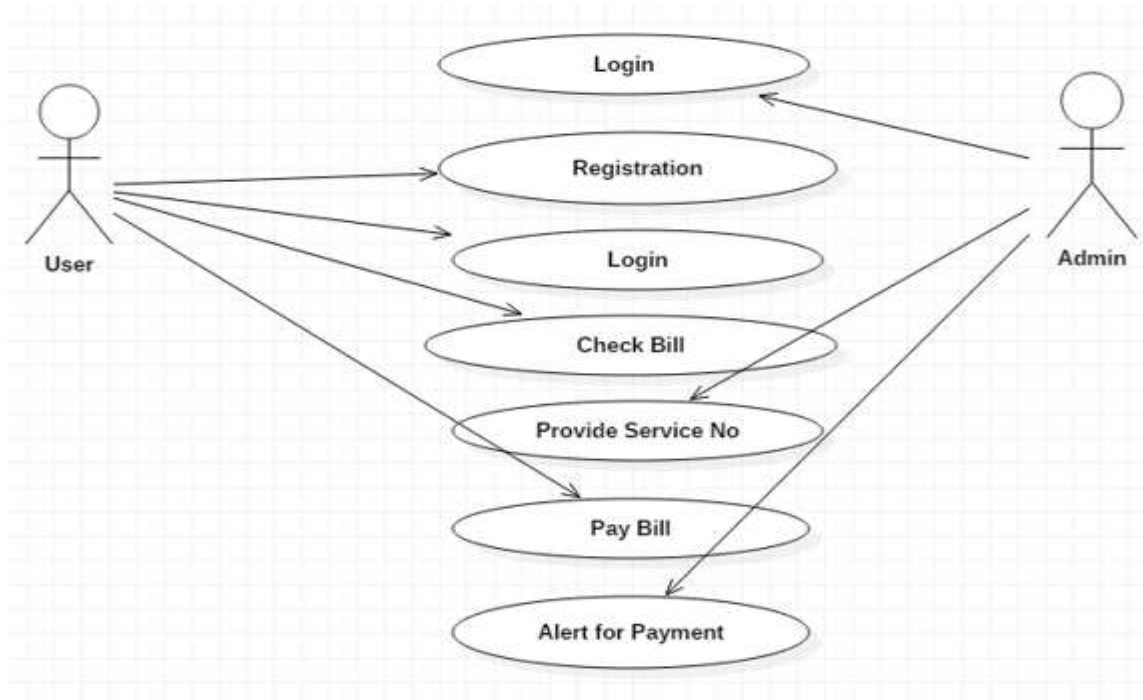
OBJECTIVE OF THE PROJECT:-

- This project is an innovation ,which makes the way of paying electricity bills simple compared to the other existing projects.
- This project has been implemented using php as front end mysql as the back end.
- It maintains the error free database and easily incorporates the future
- Developments and changes .
- To develop an well – designed database to store customer information

ADVANTAGE OF PROJECT:-

- Minimize the handwritten work from admission to billing department.
- It will helps to minimize your repeated works .
- It is a huge time saver and facilitates proper communication among the management staff,and the customers.
- Provide computerized system for maintaining records.
- Avoid human storage with less computer memory.

Methodology



Tools and Technology

Language: php ,html ,css , java.

Database : MySQL

Server: localhost.

Key Features

- User Registration and Authentication
- Automated Billing
- Payment Processing
- User Dashboard
- Notifications and Alerts
- Reporting and Analytics
- Customer Support
- Data Security



Expected Outcomes

- Improved Accuracy and Efficiency
- Greater Customer Satisfaction
- Real-Time Data Insights
- Faster Payment Processing
- Comprehensive Reporting
- Flexibility in Pricing Models



Results

E-Billing System ADMIN

Bills

[Bills History](#) [Generate New Bill](#)

Bill No.	Customer	Date	UNITS Consumed	Amount	Due Date	Status
BN_33	kranika	2024-11-22	6	\$12.00	2024-12-22	PROCESSED
BN_32	harsha mg	2024-11-22	6	\$12.00	2024-12-22	PROCESSED
BN_31	hemanth kumar	2024-11-22	80	\$160.00	2024-12-22	PENDING
BN_30	gurukiran	2024-11-22	45	\$90.00	2024-12-22	PENDING
BN_29	supriith vs	2024-11-22	50	\$100.00	2024-12-22	PROCESSED

[1] 2 NEXT LAST

Created by BILLING SYSTEM

31°C Haze 10-12-2024 02:15 PM

FUTURE SCOPE OF THE PROJECT:-

- We can provide SMS based alerts and email notifications for billing .
- The wallet can be developed to handle discounts on the points basis.
- It can be also be used to provide referral code concept for referring friends.
- Electricity billing system will enable the customer and billing department made think faster and get information quickly.
- If we want any information about bill /slip etc.

Thank You