



**ASSIGNMENT**

on

***Internet Programming Laboratory***

***COURSE CODE: CSE 326***

Submitted to

Kunj Marken Madam

Submitted by

Rishika Singh - 11904961- B39

Preaatham Pathuri - 11904918 -B38

**School of Computer Science &  
Engineering Lovely Professional  
University, Phagwara**

## **Project Synopsis**

### **1. Title Of the Project:**

## **Electricity Online Bill Payment**

### **2. Objective of the project:**

The project is a web based application where users can get instant electricity bill and pay them online via credit card. The system automates the conventional process of paying electricity bill by visiting the place. Users have to stand in queue for paying bill and wait for their turn. The process is tiresome and time consuming. They even have to wait for the bill being delivered to their place which sometimes can be delivered late by the delivery boy. Hence the system is developed to automate the electricity bill calculation and payment for user convenience.

The system would be having admin login and user login. Admin has to feed the system with electricity usage data into respective users account. The system then calculates the electricity bill for every user and updates the information into their account every month. User can then view their electricity bill and pay on the spot before month end. If user is incapable of paying the bill before month end, it then calculates fine for each day.

### **3. Scope of the project:**

This website reduces the user effort to go to the electricity office and pay the bill by standing in the line .this website reduces the human efforts and makes the payment of electricity bill easy.

### **Software Requirements:**

- Notepad++

### **Languages used:**

HTML,CSS and JAVA SCRIPT

## **Modules:**

The modules used in this Website are as follows:

- **Admin login:** It has admin login who has the authority of the system and acts as a communicator between user and seller.
- **User login:** User has to first create an account in the system to gain access. User can then view their account balance and electricity being used by them.
- **Bill Calculation:** The system uses a formula to calculate the bill according to the electricity usage provided by the admin for each user.
- **Payment option:** Users can securely pay the electricity bill online via credit card.
- **Fine calculation:** If the user is unable to pay the bill within month end, the system automatically calculates the fine that the user has to pay for subsequent days.
- **Feedback form:** The system provides a feedback form for the users to input their feedback into the system.

## **Future scope of the project:**

- Most generic customer to customer bill payment website which reduces the human effort.
- Maximize benefits and minimize the disadvantages of a common mode of bill payment.

## **Advantages:**

- The system excludes the need of maintaining paper electricity bill as all the electricity bill records are managed electronically.
- Administrator doesn't have to keep a manual track of the users. The system automatically calculates fine.
- The system excludes manual bill calculation.
- Users don't have to visit the office for bill payment.
- There is no need of delivery boy for delivering bills to user's place.
- Thus, it saves human efforts and resources.

**Disadvantages:**

- Users must have a reliable internet connection.
- There is no human interaction if users have some enquiry.

**Applications:**

- This system can be used in electricity providing departments.