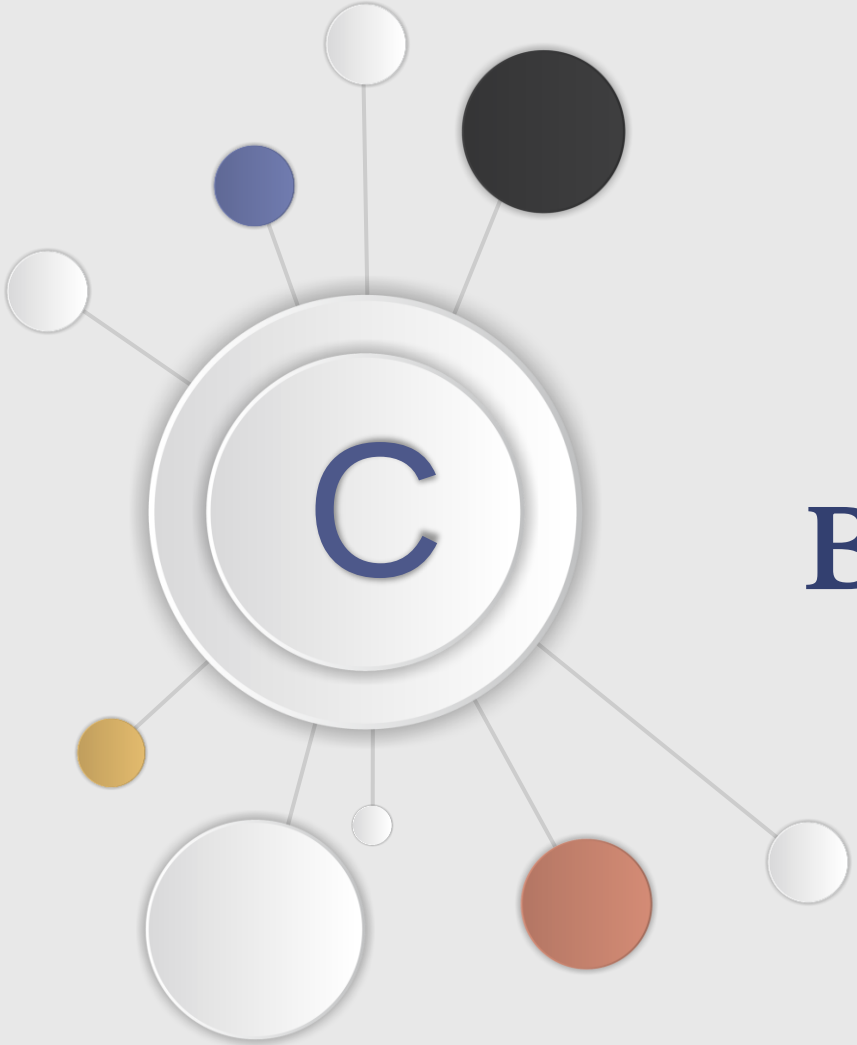
Welcome To
Project Presentation



Electricity Billing System

By: Group-5

About Project:

Project Name: Electricity Billing System

Course Title	Software Development Project.
Course Code	SDP-100
Used Language	C Programming Language.
Project Done By	Group 5 (ID: 21225103329, 21225103360, 21225103412, 21225103423, 21225103543)
Intake	49
Section	8

Supervised by

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Objectives

- Electricity Billing System determines the bill for the consumed power per unit of time and performs its computation based on the sell rate of power per unit of time and other parameters.
- In this system, the user has to enter the total units consumed and the total sum amount is displayed.
- It provides an environment to maintain consumer details.
- The whole project is designed in ‘C’ language and different variables and strings have been used for the development of this project. It’s easy to operate and understand by users.

Motivation

As we know Bangladesh is a heavily populated country, so it causes various types of problems. Where people suffer more from electricity-related issues.

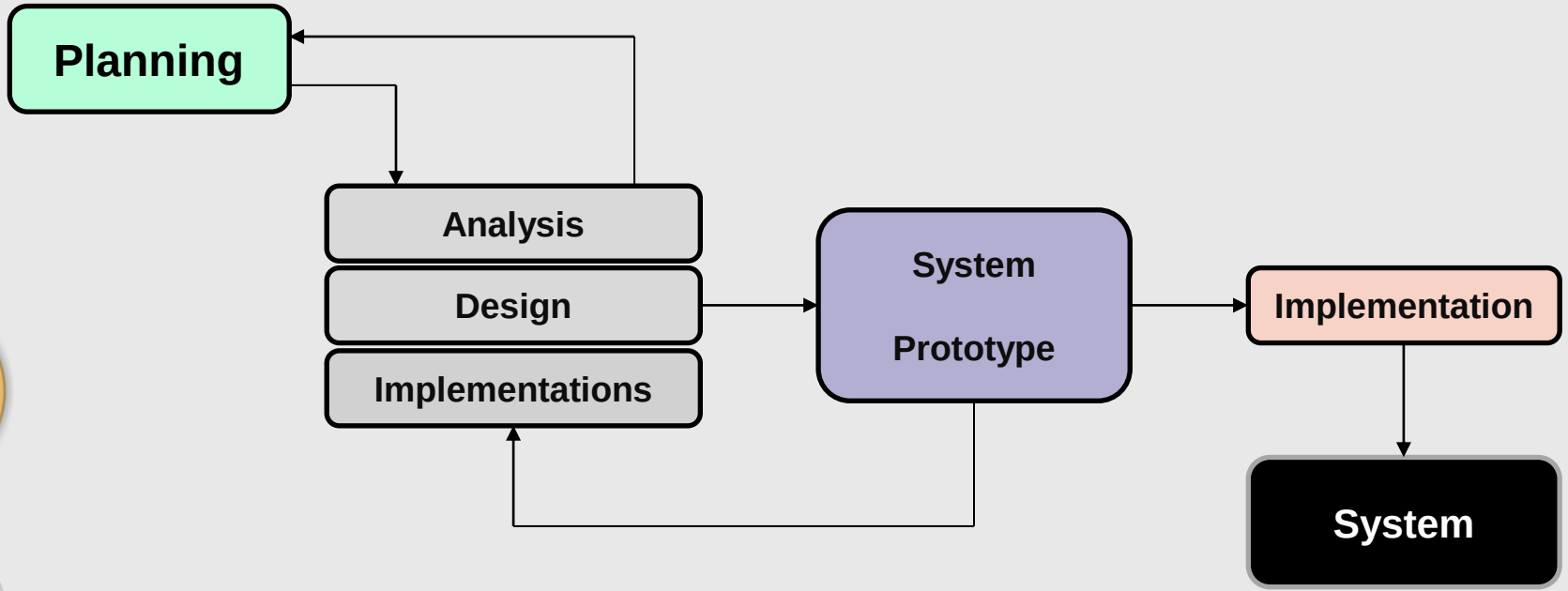
- Users receive their bills late due to manpower shortage.
- Sometimes users receive the wrong bill.
- Erroneous results in bill calculations by humans.

So our project is to get rid of these problems and make their life easier. It seems that this project will play an important role to solve Electricity Billing related problems significantly.

Projects Features

- Electricity Billing System calculates the total amount of energy consumed by users.
- It is too user-friendly for the user or operator.
- User can access the Bills or consumed Units and also easily calculate the payable amount.
- Our projects are expandable and budget-friendly. It will satisfy our targeted users.

Project Development Stage



Current Limitations

This project is a modern version of the traditional electricity billing system. The focus of this project is to computerize the electricity billing system to make it more seamless, accessible, and efficient. The software calculates the units consumed within specified time duration and accordingly calculates the amount of money to be paid for those units.

Future Works

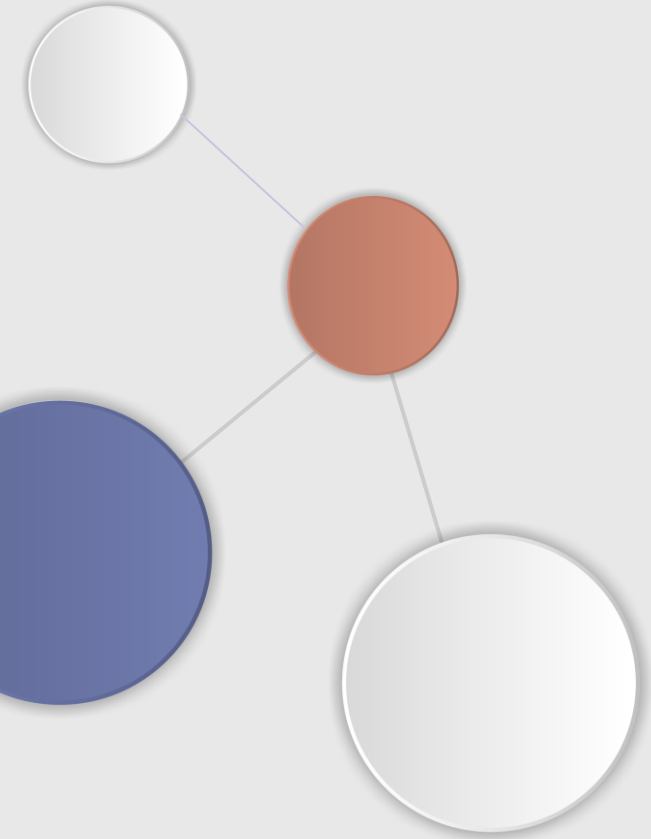
In this world of technology, a smart way of solving a problem is the most necessary task. This system will bring a solution for the wastage of high manpower, inefficient, and inaccurate billing, and abundantly increased malpractices and irregular payments in electricity billing departments. Proper implementation of bills, and taxes will enhance the nation's economy. If the government is interested to make it online payments on the mobile application can be built or an updated version of the present available. A mobile application can be developed which helps in making the transaction easier. This mobile application should help to file complaints, apply for new meter connections, etc.

Outcome of Project

- Efficient and accurate electricity bills for consumers.
- Direct implementation of new charges (per unit) from a server.
- Power consumption and charges can be monitored through a display on the meter.
- Prevents most of the malpractices done by consumers.
- It can be implemented in rural, remote areas.
- It reduces paper wastage by making electricity billing paper which also saves a huge amount of trees. It will be a great impact on our environment for sure.

Conculation

This is a smart way of using technology to reduce manpower and increase work efficiency and accuracy without any malpractices. The electricity Billing System project reports before suggesting this solution they were using a manual process for meter reading, amount calculation, billing customers, and so on. The interaction between customers and Electricity Board was very poor and it took much longer time to respond to customer queries. By using our software it will be a very pleasant experience for both users and Electricity Maintenance Authority



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