Green University of Bangladesh

Department of Computer Science and Engineering (CSE)

Faculty of Sciences and Engineering

Semester: 2nd (Summer, Year:2022), B.Sc. in CSE (Day)

LAB PROJECT PROPOSAL

Course Title: Structured Programming Lab

Course Code: CSE 104 / Section: DK-221

Student Details

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Lab Date : 19 / 07 / 2022

Submission Date : 07 / 08 / 2022

Course Teacher's Name : Monoshi Kumar Roy

[For Teachers use only: Don't Write Anything inside this box]

Project Proposal Status

Marks: …… **Signature: .....**

Comments: ..... **Date: .....**

1. TITLE OF THE PROJECT PROPOSAL

The electricity bill is the generated net payable amount charged by the electricity-providing company. The electricity bill is generated on the basis of the consumption of the electricity in units by the consumer. So that's why I choose to **"Calculate Electricity Billing System"** for this project.

2. PROBLEM DOMAIN & MOTIVATIONS

- The main motivation of the electricity billing system is to manage the details of customers, connections, consumptions, and units.
- The project is totally built at the administrative end and thus only the administrator is guaranteed access.
- The purpose of the project is to build an application program to reduce the manual work for managing the customers, connections, bills reading.
- It tracks all the details about reading, consumption, units.

3. OBJECTIVES/AIMS

This research consists of several objectives as stated below –

- To develop a program to manage electricity billing for the administrator and customer.
- To collect the power consumptions information and integrated it with a centralized database system through this project.
- To calculate the electricity bill and generate a report on the power consumption information through this project.

4. TOOLS & TECHNOLOGIES

Calculate the electricity biling system project is an application-based micro project that predicts the following month's electricity bill based on the appliances or loads used. **Code Blocks** IDE was used to write the code for this project.

5. CONCLUSION

- This project reduces the amount of manual data entry and gives greater efficiency.
- The user interface of it is very friendly and can be easily used by anyone.
- It also decreases the amount of time taken to write details and other modules.
- I left all the options open so that if there is any other future requirement in the system by the user for the enhancement of the system then it is possible to implement them.