

## **PROJECT: - POWER INVOICE GENERATOR IN VARIOUS SEGMENTS**

### **INTRODUCTION:**

In this project Electricity invoice is prepared by using C programming language, we know that we have various segments to calculate the invoice of electricity usage.

- Domestic Segment
- Institutional Segment
- Industry Segment
- Agriculture Segment

There are different charges can be applied, mostly electricity charge is based on what type of segment is it. At first the user has to provide the details like first name, last name, email, Meter ID, Number of Units Consumed, and phone number. After that the program will calculate the total bill and shows in Indian Rupees

### **OBJECTIVES:**

- To build a system that can receive input and generate automatically output in easy way and short time
- To Generate an invoice of electricity bill in various segments

### **BENEFITS:**

- Record Maintenance
- Web-Based Solution
- Saves Time and Cost
- Increases Efficiency
- Simple and Easy to Use

### **SWOT ANALYSIS:**

#### **Strengths:**

- Simple & Easy to Use
- Everyone can use
- Easily Calculated the Invoice
- Highly Secure, Scalable & Reliable
- Multi Operating System

#### **Weakness:**

- Complicated to operate because of multifile programming
- Online Systems require high-speed internet connectivity
- Skilled Persons required if any damage of code
- Risk of computer virus

#### **4W'S and 1H:**

##### **Who:**

- ✓ Any User can Calculate the power bill using this application

##### **What:**

- ✓ Power Bill Generations in Various Segments

##### **When:**

- ✓ Any User can use at any time in different operating systems

##### **Where:**

- ✓ This Project can be used by the users at anywhere with a computer having windows or Linux Operating system

##### **How:**

- ✓ By choosing the correct choice number user can perform their operation to and then user will be getting the result output on the display

#### **DETAIL REQUIREMENTS:**

##### **High Level Requirements:**

ID	DESCRIPTION	STATUS
HR01	User need to provide the Area Name	Implemented
HR02	User need to provide the Name	Implemented
HR03	User need to provide their Meter ID	Implemented
HR04	User need to provide their Email ID	Implemented
HR05	User need to provide their Permanent Address	Implemented
HR06	User need to provide their Mobile Number	Implemented

##### **Low Level Requirements:**

ID	DESCRIPTION	HLR ID	STATUS
LR01	User need to select their Category from the display shown	HR02	Implemented
LR02	User need to provide the Name	LR01	Implemented