**CIS 634 Object-Oriented Software Engineering**

**Software Requirements Specification**

**Project Title: Power Management System**

Logo, company name

Description automatically generated

Instructor: Prof. Weidong Xiong

Group Number: 7

Group Members:

Tapan Desai CSU ID: 2777437

Shaishav Shah CSU ID: 2835285

Kinjal Patel CSU ID: 2794458

Mitee Patel CSU ID: 2817313

**Introduction**

* Power Management System is a web application project which will monitor and manage the electricity usage of customers, calculate real-time units used & due billable amount, provide administration functionalities for admins to handle the management of bills, and provide payment gateway for final payment for the bills.

**Goals and objectives**

* The major goal of this project is to provide a desktop web application capable of managing and paying bills considering both the customer and administration perspectives.
* Additionally, OOPs concepts are also being kept in mind while developing this web application. Considering this, the project will use Java programming language for back-end development of the project.

**Statement of Scope**

* For the customer side, the customer will be able to log in into the system, view the customer panel, look up his/her electricity usage, pay the pending bills, and look up previous bills.
* For the admin side, the administrative personnel will be able to log in into the system, view the admin panel, locate all the customers and their billing history, view all payment deadlines and manage all bill payment activities.

**Major Constraints**

* The main constraint for this project will be that as we don’t have access to get all the actual bill data from an existing database. So, we will instead work with dummy data inputted by ourselves for this project.