**CIS 634 Object-Oriented Software Engineering**

**Course Project Proposal**

**Project: 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

Overview:

* The main goal of Power Management System project is to create a web application which monitors and manage the electricity usage, calculate real-time units used & due billable amount, and provide payment gateway & more.
* The web application will be considered from customer perspective as well as admin perspective.
* The customer will be able to log in into the application and manage his/her electricity usage, bill payment as well as search past bills.
* The admin will be able to log in into the application and see all the records of the various customer, their electricity usage, payment deadlines, and more.

Constraint Tools:

1. Windows 8.1 or higher – to support complex code
2. Tools Needed:

* Eclipse or IntelliJ (Java)
* Visual studio code (HTML + CSS + JavaScript)
* MySQL (Database + Server)
* GitHub (Hosting)

Schedule:

* We are currently working on requirement gathering & specification, finalizing the number of web pages & their design as well as database design for the project.
* Along with that, we will finalize our development structure by the next phase.
* After that, we will start working on creating web pages for customer side.