**CIS 634 Object-Oriented Software Engineering**

**Course Project Proposal**

**Project: Power Management System**

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Group Number: 7

Group Members:

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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.

Development Scenario:

Constraint Tools:

1. Windows 8.1 or higher – to support complex code
2. Development Environment:

* We are currently very flexible as far as coding is concerned. As we are working in a group, different student has different working & programming styles. Below are few IDE’s that we have shortlisted.
* IntelliJ (Java)
* Visual Studio (C#)
* Eclipse (HTML + CSS)

1. Database:

* MySQL or MS SQL Server

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 technologies by the next phase.
* After that, we will start working on creating web pages for customer side.