

Electrical Bill Predicting & Managing Application

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Abstract. In a globalized world, the electricity demand grows at a high rate, and electricity consumption is something people do not pay much attention mostly because of ignorance about electricity generation using different energy sources and how it affects the environment. The problem with electricity generates is most of the time the initial cost of making is high and so electricity bill can be costly due to rate consuming energy sources. The heavy usage of electricity shows that reduce electricity consumption is important. The importance of managing these costs not only helps a home but also help to whole energy-saving process. This article is about design applications for predicting electricity bills and help to manage according to own user preferences. The prediction algorithms can be used to make predictions about electricity bills and give users a chance of managing costs. The algorithm can be a simple statistical calculation or machine learning-based algorithm and the choice is made of how much percentage of accuracy the algorithm provides. The literature review has been conducted to find the most suitable algorithms for the system. The system should be able to provide reporting and viewing usage of electricity. It would provide the user a chance to manage electricity bills through their mobile phone. The goal here is to integrate exiting prediction algorithms to make a mobile application to manage electricity bills and ultimately reduce electricity consumption.

Keywords: *Electricity Bill Management, Monitoring, Prediction Algorithms, Electricity Usage Reduction*