**Data Classification and Remote Data Access and Control through IOT**

Abstract

In the information age, the one thing that has missed our attention is our own homes and workplaces. Just constructing a building is not enough, constant monitoring of the various rooms and corridors is a must. If not attended to, this can cause various accidents. The power consumed by us is increasing every day. This has led to a lot of power wastage when we forget to turn off appliances when not needed. The aforementioned statements need our attention. With the help of our project we will try to provide a solution to these problems. We have planned to develop a web interface that can connect to a gateway node at the backend which is connected to various room and corridor sensors and display real time instantaneous sensor data from all the sensors. We have planned to use a hybrid classification algorithm combining the Decision Tree and Naïve Bayesian Approach to segregate the sensor data and display it in our web interface separately based on parameters. With the help of the web interface we aim to access and control the field devices remotely. We have planned to use Rethinkdb as our real time database, Node.js for web interface management and AngularJS for developing the front end of our web interface.