Ethics

In our project, we are attempting to create an Internet-of-Things product such that one can control power outlets irrespective of location. Fundamental ethical issues that we may face in our project is trying to maintain the autonomy of users who are utilizing our app, trying to maintain system security for users, and trying to maintain a limited cost in production such that the product is of low cost for persons to acquire. In relation to maintaining autonomy for users, we aim to maintain a double blind system such that enterprise users of our product could not be able to track individual users of our app, thus allowing for maintaining the integrity of individual users of the app, thus allowing for the privacy of users to be maintained. Secondarily, to maintain the system security for users (ie. maintaining the integrity of data collected), we will be implementing SHA 256 encryption in order to allow for the data collected to be secured. Furthermore, we feel that it would be of utmost importance to allow for users to gain access for our product at a limited financial cost. As such, we intend to try to limit the cost of production to allow for the product to maintain a greater penetration, thus allowing for more people to garner the benefits, through maintaining a low cost of production through efficient supply chain management, limited waste conducted through the recycling of waste products to further help us to manufacture our product, and attempting to maintain an international penetration by allowing for our product to be compatible with different types of sockets and energy systems.