AI Multi Agent Shopping System   
(Research Title)

An AI multi-agent shopping system where system is fed with various products details the system allows user to register and enter his details a few particular product. The system records all the main points provided by user and checks for various items matching his search. The system comes up with an inventory of

things

best fitted to user needs. The system suggests this stuff which are likely to be bought by the user supported his previous requirements. The system handles multiple users at a tune and provides accurate results.

Submitted By: Submitted to:  
 Lopez, Kris Jefferson C. Prof. Loremelo, Catindoy

Traffic Violation Ticketing Automation Using RFID

(Research Title)

This project deals with the development and implementation of smart phone application, which is more effective and simple than current ticketing system. The “Traffic Violation Ticketing Automation using RFID” can be used easily anytime, anywhere and ticket will be present in the customer’s phone in the form of “RFID”. GPS facility is used for validation of the ticket at the source and deletion at the destination. The main objective for this project is developing an android application so that passengers can book the tickets online directly from their smart phones and a received message to their own phones is enough for travelling a desired distance. Thus, the process of standing in lines to book the tickets and after that carrying the tickets is curdled. For security reasons the information about every user is stored in CLOUD which is to be accessed for each ticket booking for validation purpose. This change of paradigm benefits from the fact that cloud ticketing services can be accessed through the Internet and they can be elastically grown or shrunk, providing easier scalability and high availability. There are two modes of ticket payment. Firstly, a customer can pay using their wallet and secondly user can request ticket checker to load some amount in the wallet. The information for each user is stored in a SQL database for security purpose. Also the ticket checker is provided with an application to search for the user’s ticket with the ticket number in the cloud database for checking purposes.

Submitted By: Submitted to:  
 Lopez, Kris Jefferson C. Prof. Loremelo, Catindoy

Womens Safety Device With GPS Tracking & Alerts  
(Research Title)

Women’s safety is a very important issue due to rising crimes against women these days. To help resolve this issue we propose a GPS based women’s safety system that has dual security feature. This device consists of a system that ensures dual alerts in case a woman is harassed or she thinks she is in trouble. This system can be turned on by a woman in case she even thinks she would be in trouble. It is useful because once an incident occurs with a woman she may or may not get the chance to press the emergency button. In a button press alerting system, in case a woman is hit on the head from behind, she may never get the chance to press panic button and no one will know she is in trouble. Our system solves this problem. This device is to be turned on in advance by a woman in case she is walking on a lonely road or some dark alley or any remote area. Only the woman authenticated to the devices can start the system by fingerprint scan. Once started the devices requires the woman to constantly scan her finger on the system every 1 minute, else the system now sends her location to the authorized personnel number through SMS message as a security measure and also sounds a buzzer continuously so that nearby people may realize the situation. In this case even if someone hits the woman or the woman falls down and get unconscious, she does not need to do anything, the system does not get her finger scan in 1 minute and it automatically starts the dual security feature. This device will prove to be very useful in saving lives as well as preventing atrocities against women. The device uses GPS sensor along with a gsm modem,lcd display,leds and microcontroller based circuit to achieve this system.