ICOM 5047 Final Presentations
December 11, 2008
9:45 AM   S-227
Electrical and Computer Engineering Department
University of Puerto Rico, Mayagüez Campus

Agenda

9:45 am -10:15 am
eVote
The JSAL team has designed and developed an electronic voting system (eVote) with the goal of eventually replacing the existing voting system in Puerto Rico. The system consists of two parts: a voting official application and the eVote device. The prototype features the state ballot for the 2008 Puerto Rico elections, a write-in feature, electronic records of the votes and a printed receipt of the vote, among others.

Javier Torres Santiago, Project Manager
Sylvia Rodríguez Rodríguez
Angel Vega Cortés
Laura Cruz Rodríguez

10:15 am -10:45 am
Smart Surveillance Technology
Smart Surveillance Technology (SST) improves the monitoring of multiple areas that contain sensitive equipment prone to theft and damage by the use of cameras, sensors, and a centralized server. SST allows users to monitor areas by a web interface, and alerts them with e-mails and text messages via SMS. Alerts are generated whenever a non-scheduled or unexpected situation such as smoke, motion detection or temperature changes occurs.

Javier Ocasio Pérez, Project Manager
Mariel Martínez Marrero
Abraham Díaz Santiago
William Sánchez Rosa

10:45 am - 11:15 am
Book Monitoring System
The Book Monitoring System provides its users with an automated self check-out and check-in station for books in the library. The system substitutes the old barcode tags system with the RFID innovating technology.

Emanuel González González, Project Manager
Raúl Y. Mora Colón
Arnaldo A. Oliver Román
Antonio G. Rodríguez Jiménez

11:15 am - 11:45 am
Wireless ECG Monitor
WARM Wireless ECG is a portable electrocardiogram device that gives patients the alternative to monitor their heart in all places and time without limiting their daily activities. The goal is to provide early detection of cardiovascular anomaly, so the patient will be given medical attention within the first few critical hours, without restraining them to a hospital.

Melvin Rivera, Project Manager
Wilfredo Bermudez
Alexis Ortiz
Rafael Vega

11:45 am -12: 15 pm Break/Demonstrations
All groups