App Development for Smart Devices

CS 495/595 – Fall 2013

Class Project
Ideas and Timeline

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Project Ideas
Project’s Idea

• Security
  • ODU Secure App

• Localization
  • Taking random pictures from your cell at home when it is on a table. Could you locate the phone using the ceiling feature?

• Medical/health/activity monitoring
  • Parkin's disease detection
  • EEG Set

• Transportation
  • Detecting and identifying whether group of people are on the same transportation unit/same side using correlation of accelerometer, gyro, ...
  • Toll Tracking App.
Project’s Idea

• Education
  • Interactive classroom

• Misc
  • Understanding Interface activities power consumption
  • Extension of MagnoTricoder
  • Wound Care App

• Last Year Projects:
  • http://www.cs.odu.edu/~nadeem/classes/cs495-F12/projects.htm
  • http://www.cs.odu.edu/~nadeem/classes/cs495-F11/projects.htm
Project Timeline
Class Project Timeline

• **Goal**: obtain hands-on experience

• Semester-long research project to be done individually or in teams of two.

• Students will have the flexibility to either formulate their own project or choose from the ideas suggested by the instructor.

• **Timeline**
  
  • **Team formation**: Due – Sept. 27th, 2013 (team members + team name)
  • **Project Idea Selection**: Due – Oct. 11th, 2013 (One page description)
  • **Project Proposal Draft**: Due – Oct 21st, 2013 (one page proposal + presentation slides)
  • **Project Status Update**: Due – Nov 11th, 2013 (one page update + presentation slides)
  • **Final Project Presentation**: Due – Dec 2nd, 2013 (report + presentation slides + demo)