**CSE321 Project 3**

**Objective:** To apply the embedded and real-time systems concepts learned in the course.

**This is a demonstration project that includes a presentation of your completed project. For this project you will work in groups of two.**

**What to do?**

1. Choose your group members. At most two in a group.
2. Given the limited time, you have been given a choice between two types of demonstration project : (i) Android Application, (ii) Scribbler Robot project
3. Android Application: Choose an application based on the online material available and Panya’s demo material. There are several very good resources available online for Android application development (including the ones on YouTube).
4. Scribbler Robot Application: we have about 20 Scribblers; that will accommodate about 20 groups. Rest of the 19 groups will work on Android project. More people can choose to work on the Android project, however the number of groups that will work on the Scribbler is limited by the resources that we have unless you want to buy the units yourself.
5. Material on Scribbler is available here: <http://cs.brynmawr.edu/~dkumar/Myro/Text/June09/PDF/LCRJune2009.pdf>

Unlike Android resources this may be the ONLY resource available on Scribbler.

1. For the Scribbler project you CANNOT repeat projects from last year.
2. You will have to get approval for your project idea either from Panya or myself. I want the ideas finalized by this Friday (11/4) class time.
3. Once the idea is approved you will work on the project design, implementation and presentation and the documentation (in the form of Report).
4. You will submit the presentation and the report online for grading.
5. Your presentation should include a Classes, Responsibilities and Collaboration (CRC) diagram of how you divided the responsibilities of your project among the team members.
6. Your report should include a Use Case diagram and a class diagram explaining the design of your application.
7. Your grade will be based on completion of your project, presentation, and your report.
8. Also part of your project 3 grade will include grade for attending the presentation by others.
9. The presentation will be short about 5 minutes, and will be 11/30 to 12/9; we will plan the order of presentation soon.
10. Finally, the due date for the submission of the Report and presentation online is : 12/10/2011.