

Project for ECGR5090/6090 – Fall 2003

It is expected that students registered for 5090 and 6090 will do an additional project, to scope of which is agreed-upon by the instructor. You may work in pairs or groups, but the scope of work should match the number and level of students. Some ideas for projects include:

- Stiquito Controller board design, placement, and routing using TI chip and ORCAD/Mentor Graphics tools – early semester project. **Steven Tucker**
- Stiquito Controller board programming using TI chip and tools – mid to late semester project.
- Stiquito Controller board design, placement, and routing using Atmel chip and ORCAD/Mentor Graphics tools – mid to late semester project.
- Stiquito Controller board programming using Atmel chip and tools – mid to late semester project.
- Stiquito Controller board design, placement, and routing using Renesas R8C chip and ORCAD/Mentor Graphics tools – early to late semester project. **Lukky Tchang + others.**
- Stiquito Controller board programming using Renesas chip and tools – early to late semester project.
- Investigation of the Atmel AVR Butterfly board - mid to late semester project.
- Converting class note chapter to an Atmel chip - late semester project.
- Assist in the development of an Embedded Systems text book (i.e. written materials search and summation of the papers/books of each particular topic) early to late semester project.

The deliverables include:

- October 7: A one-page write-up on the proposed work. You should talk to the instructor BEFORE you decide on a project. You will be graded on content and proper use of English. (15 points)
- November 10: A report on initial activity of the project, including biographical references, code listing, designs, etc. You will be graded on content and proper use of English. (25 points)
- December 12: A final report on activity of the project, including biographical references, code listing, designs, etc. You will be graded on content and proper use of English. (40 points)
- The end-results of the project will be graded as follows:
 - **Value to the professor of the work:** 20 points (ECGR5090), 30 points (ECGR6090)
 - Completeness of the activity – adherence to the plan: 15 points (ECGR5090), 30 points (ECGR6090)
 - Quality of the work: 20 points (ECGR5090), 30 points (ECGR6090)
 - Level of difficulty – appropriate for the number of participants and the level of graduate credit: 15 points (ECGR5090), 30 points (ECGR6090)