Pre-proposal
Due: Two weeks after the announcement

1. One or two-page project pre-proposal shall
    - Describe the proposed project with a tentative title.
    - List original reference material that you have used for this project.
    - Need not be on a topic covered in lectures.
    - See below for more details.

 (You can discuss with the instructor for suggestions on project ideas)

More info on your project:

- You should cite original references (expected that you have read and understood).
- It is expected that the project work is a serious effort that goes beyond the course material, and involves materials from the net, journals, or books.
- All prior work, published or not, public domain or proprietary, should be fully credited. In the past there were some issues on plagiarism. I am hoping that it does not happen with any one of you in this class. If you have doubt how to handle the existing work in your report, please talk to me. For more on plagiarism please check on university rules.
- When we evaluate your work, it matters how effective your work is. You may not build software from scratch – can use commercial tools and software from open sources.
- Remember: You pick a topic that interests you. Relating your current research to some embedded system topic is a good idea in leveraging your efforts. Since your project work will be a new piece of work; it is not a good idea to use results from an existing source.

Project grading

Both team members will be awarded the same grade no matter how you split your work. Thus, choose your team mate accordingly. The final grade will mostly be determined based on your performance on this project!

Project - 40% of the final grade.

- 10% - Topic research - Literature survey
- 20% - Results
- 10% - Project Reports and presentation

It is expected that the project may lead to a publication at a referred workshop or conference. Therefore, the final report should be of conference quality. You need to start it early in the semester in order to achieve this goal. There will be interim project reports

to make sure that you get there. The proposal and reporting guidelines are given in the website for your reference.

Proposal: This is the first formal report that consists of literature survey on the area that you wish work during the semester. It requires that you perform extensive searching of current and past research related to your topic. That report is going to be maximum three pages. The template of the proposal guidelines is given in the website for your report writing.

The second report is a progress report or mid-term report. It should be a five page report that consists of items you have worked beyond the proposal. Clarity is very important here. You may include schematic diagram when possible. - A section on Background: description on research motivation and various challenges should be included. Major components to be addressed are
- Project Goal: what is the goal, what is your project novelty
- Methodology or Approach: how you think to tackle the problem
- Actual Work (specific name to section): What have you done so far.

The final report is due during the final week or so (to be announced later). You will be using one IEEE conference proceedings format (i.e. 2 columns, 10 point font etc) with abstract, introduction, related work, project overview, background: description of what is the reason for your project, project goal - what is the goal, what is your project novelty, the approach you followed, the results you obtained and limitations of your approach, conclusion and a bibliography.