Project Grading Policy

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Final Project: 30%

Proposal: 2%

Milestone: 6%

Final Evaluation

Write-up: 7%

        • clarity, structure, language, references: 2%

        • background literature survey, good understanding of the problem: 2%

        • good insights and discussions of methodology, analysis, results, etc.: 3%

Technical: 8%

        • correctness: 2%

        • depth: 3%

        • innovation: 3%

Evaluation and results: 7%

        • sound evaluation metric: 2%

        • thoroughness in analysis and experimentation: 2%

        • results and performance: 3%
```

Project Proposal

The project proposal should be one paragraph (100 - 200 words) and a project plan table. Your proposal should contain:

- **Title of project**
- **Group member names**
- **What:** What is the problem that you will be solving? Why is it interesting?

- **How:** How do you propose to implement your project? What method or approach or algorithm are you proposing? If there are existing implementations, will you use them and how?
- **What references** (readings/papers/books) will you examine to provide context and background?
- **What results do you expect?** How will you evaluate your results? Qualitatively, what kind of results do you expect (e.g. plots or figures)? Quantitatively, what kind of analysis will you use to evaluate and/or compare your results? (e.g. what performance metrics)?
- **Project Plan:** Include project plan identifying at least 5 milestones to complete your project – sample milestone topics below – you need to create your own …

Milestone	Milestone Description	Date
Project Research		
Polling-based implem with single sensor		
Power instrumentation		
Power optimization	Use DMA and interrupts for optimizing CPU usage and power	

Calibration/Measurement/Instrumentation/Responsiveness …

Submission: One member of your team must submit one document (plaintext, pdf or word format) on Canvas by the deadline. If you submit your proposal late, all team members will be charged late days.

Project Milestone

Your project milestone report should be between 2 - 3 pages using the IEEE template available at http://ieeeauthorcenter.ieee.org/wp-content/uploads/TIE-template-for-articles.zip

The following is a suggested structure for your report:

- Title, Author(s)
- Introduction: this section introduces your problem, and the overall plan for approaching your problem
- Problem statement: Describe your problem precisely specifying the dataset to be used, expected results and evaluation

- Technical Approach: Describe the methods you intend to apply to solve the given problem
- Intermediate/Preliminary Results: State and evaluate your results upto the milestone

Submission: Please upload a PDF file on Canvas. Please have one person on your team submit your milestone. If you submit your milestone late, all team members will be charged late days.

Final Submission

Your final write-up is required to be between **5-6** pages using the IEEE template. Please use this template so we can fairly judge all student projects without worrying about altered font sizes, margins, etc. After the class, we will post all the final reports online so that you can read about each others' work.

Submit your final submission through **Canvas**. You will submit one or two files:

1. A PDF file of your final report
2. (OPTIONAL) zip file (or pdf file) with Supplementary Materials

Report. The following is a suggested structure for the report:

- Title, Author(s)
- Abstract: It should not be more than 300 words
- Introduction: this section introduces your problem, and the overall plan for approaching your problem
- Background/Related Work: This section discusses relevant literature for your project
- Method: This section details the framework of your project. Be specific, which means you might want to include equations, figures, plots, etc
- Experiments: This section begins with what kind of experiments you're doing, what kind of dataset(s) you're using, and what is the way you measure or evaluate your results. It then shows in details the results of your experiments. By details, we mean both quantitative evaluations (show numbers, figures, tables, etc.) as well as qualitative results (show images, example results, etc).
- Conclusion: What have you learned? Suggest future ideas.
- References: This is absolutely necessary – at least 10 citations for well researched problems.