

# EECS6413 Information Networks

## Deliverable 3: Project Final Report (50%)

The final report should represent all the completed work. The expectation is that most of the work has been completed and any major results are available. At this stage you should be able to provide a complete description of the project, even if a few smaller parts have not yet been implemented or solved. The header of the report should include the course title and an indication that this is the project's final report, the title of the project, your name and contact information. The sections of the report should be structured (as close to) as follows:

- **Abstract:** The abstract (limited to **150-200** words) should be a comprehensive but concise description of your project that aims to attract potential readers. It should briefly discuss the motivation, problem of interest, approach to solve it and main results of your work.
- **Introduction/Motivation:** What is the project about? What is the problem you are trying to solve? What are the questions you want to answer? Why the problem is important? What are a few potential applications?
- **Problem Definition:** Introduce notation, provide formal definitions as needed, define any constraints or restrictions, define what you try to optimize (e.g., maximize or minimize an optimization function, or an accuracy/error function). Describe the problem in a formal way. Describe the hardness of the problem in a formal way.
- **Related Work:** Position the problem among the body of existing research. How does your project relate to previous research? How is your project replicating/different/complimentary to previous research? References to papers you cite should be explicit.
- **Methodology:** How did you address the problem? What are the steps you had to take? Describe the data collection process. Provide any mathematical background necessary for the methods. Describe any algorithms or variations of the methods. Describe limitations or difficulties with your approach. Are there any interesting trade-offs (accuracy/efficiency)? Formally describe any important algorithms used from literature. Try to be as specific as possible.
- **Evaluation:** How did you evaluate your work? What experiments did you perform? What datasets were used? Provide a roadmap of evaluation. How your evaluation provides support (or not) of your methods. Are there any highlights? Discuss and try to interpret the results.
- **Conclusions:** What are the conclusions of your work? What are some ideas for future work?
- **References:** The final report should include the full reference of the papers that you based your project ideas on or your approach to solve the problem. Full citation is required. References should be specific and found inside the text, as appropriate.

It is plausible that some of you might not have gone as far as you'd wish in the project. As a result, parts of the outline might not be fully filled, especially parts that relate to the details of the methods and the evaluation. You should try to fill in as many parts of the outline as possible.

## Formatting and Style

The length of the final report should be **7-8 pages** and it must be in PDF format. All reports should be formatted according to the new Standard ACM Conference Proceedings Template (pick the *sigconf* format). There are templates for both latex and MS Word users. More information can be found here:

<http://www.acm.org/publications/proceedings-template>

## Final Report Evaluation

The final report will be evaluated based on the following mark breakdown.

Final Report Component	Weight	Due Date
<b>Introduction/Problem Definition</b>	20%	Clear motivation that encourages the reader to read on; clear problem definition including input and desirable output
<b>Related Work</b>	10%	Important references are not missing; explicit citations
<b>Model/Methodology/Algorithms</b>	30%	Clear and well written so that we can fully understand what you did
<b>Evaluation/Results</b>	30%	Comprehensive evaluation plan; clear and conclusive set of experiments
<b>Style and Language</b>	10%	Overall organization, language, and style

## How to Submit?

Send a **PDF** to instructor by email.