

EECS6413 Information Networks

Deliverable 2: Project Progress Report (20%)

The project progress report should represent a first (incomplete) draft of your final report. The expectation is that almost 50% of the work has been completed. At this stage, you should be able to provide a complete outline of the project, even if certain key parts have not yet been implemented/solved and any major results are not available. The header of the report should include the course title and an indication that this is a project progress report, the title of the project, your name and contact information. The outline of the report should be structured as follows:

- **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 you aim to 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. Formally describe any important algorithms used from literature.
- **Evaluation:** How will you evaluate your work? What experiments you plan to do? What dataset will be used? Describe any initial findings or summary statistics from your dataset.
- **Conclusions:** What are the conclusions of your work? Are there any highlights. Is there need to discuss or interpret the results? What are some ideas for future work?
- **References:** The proposal should include the full reference of the papers that you want to base 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.

Parts of the above outline will (probably) be filled at a later stage, especially the ones that relate to the details of the methods, the evaluation and the conclusions. At this phase, you should try to fill in as many parts of the outline as possible so that it is clear what you plan to do for the final version.

Formatting and Style

The suggested length of the project proposal is **5 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>

How to Submit?

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