Experimental Evaluation/Preliminary Results

The goal of this part of your paper (which is worth of 3% of the course overall grade) is to describe the design of your **evaluation and the preliminary results** of your proposed solution. You will be asked to write 2-3 pages describing it in detail. The section should cover (at least) 4 parts, probably at the following order but not necessarily in separate sub-sections.

Evaluation Questions

You are evaluating your work to answer specific questions (e.g., what is the effect of changing parameter X on the performance, or how scalable is your solution). State the questions you seek to answer. For each question, you should design an experiment (or more). Note that the "evaluation questions" should be much related to your "research questions". In fact, multiple evaluation questions should be tested under each research question. Please also refer to the evaluation sections in papers that are related to your work in the literature to get ideas about what questions/experiments you can have here.

Experimental Setup

Discuss your evaluation setup including (but not limited to):

- Implementation and evaluation environment (tools, APIs, frameworks, etc.)
- Datasets/test collections (description, statistics, source, size, etc.). Crawled? how? Any annotations/labelling done? how? how many?
- Evaluation measures (measures for effectiveness, define and state why you think these are the right measures)
- Parameter settings (list all parameters you used in your system and their values/ranges)
- Describe your baseline system(s) that you will compare with, followed by a description of the different variants of your system that you are evaluating. This part should be an improved version of the sub-section you wrote in the previous phase. The actual location of it is here, so move it to this section and improve it.

Preliminary Results

By now, you should have started the evaluation of your system. Present the results of your experiments that you conducted so far (based on the questions you raised earlier) using tables and/or graphs, along with explanatory comments. For the experiments yet to be conducted, describe their design and also their related questions.

Analysis and Discussion

Analyze your preliminary results and compare with your baseline. For example: why this idea worked and the other didn't? or why was the performance so sensitive to parameter X? The key is to draw some interesting conclusions from your experiments.

Current Status: *Implementation & Experiments Progress So far*

In addition to the above, each member of the project will write one paragraph about his/her progress in the project as a whole so far. At that stage, each member should report his/her progress in terms of (1) **implementation**: baselines, proposed solution, variants of the proposed solution, etc., and (2) **experiments**. Please be as specific as possible here. Each member has to have his/her own roles and responsibilities.

Deliverables

- A 2-3 pages description of your evaluation design and preliminary results. Please append this part to your existing parts of the paper.
- 1-2 paragraphs "Current Status" section to summarize the progress so far.
- [*Optional*]: Refine your introduction, related work and proposed solution sections given the feedback you got (or will get soon). If you did any refinements, please indicate that in your submission and I will re-read it together with the new section. ***This will not be graded for this milestone* (*and will not change the grade of your previous milestones*)**, but can provide a third round of *free* feedback that you can leverage for your final paper.