Topic Presentations

Given a problem, your group will propose a computing-based solution (software, hardware, or a combination). Imagine that you and your group are part of a task force devoted to addressing this problem in the Tampa Bay area, using your expertise as CSE graduates. You will propose a computing-based solution to address this problem. This solution proposed must:

- be practical; i.e. implementable by a team of 10 programmers in 6 months
- be in accordance with the IEEE/ACM code of ethics
- consider the global, economic, environmental, societal, and other relevant contexts
- specifically address how it affects, and considers the needs of, the Tampa Bay area
- Presented in a way that is:
    - understandable by non-technical audiences,
    - clearly and effectively communicated

Group/Problem Signup: Each person in class will sign up for exactly *two* groups, using the Google Docs spreadsheet provided by the instructor. Each group is assigned to a problem, and the problems are organized by topic; each of these topics will be discussed in class. On the last day of the in-class discussions on your group's topic, you will present.

Deliverables

Your group needs to prepare:

- a presentation
    - up to 20 minutes
    - you can do a pre-recorded video or present live
    - followed by a Q&A period of approximately 5 minutes
- a written proposal, using the proposal template provided by the instructor
    - the overall group written proposal
    - your individual response [submitted separately]

Grading

The instructor will determine your group's grade after reading through the peer reviews. These peer reviews will be used to inform the instructor's assessment, but ultimately the final grade is up to the instructor's discretion. Grades will be assigned according to the following rubric:

Grading Rubric

- **Written Proposal Quality – 75%.** The written report provides strong arguments that the proposed solution:
    - Is practical (implementable by a team of 10 computer scientists and engineers in 6 months) – 10%
    - Addresses and shows a deep, nuanced understanding of the ethical issues involved, and the complexities related to this topic we discussed in class – 10%
    - Argues from established computing codes of ethics – 10%

    - Thoroughly considers:
        - Impact on Tampa Bay area – 5%
        - Global, economic, environmental, societal, and other relevant contexts – 5%
        - Alternate perspectives, values, and beliefs – 5%
    - Individually written reflection:
        - Meets word count – (if word count is not met, the entire 15% allocated towards the individual reflection is given a grade of 0)
        - Quality of answer on item (1) – 5%
        - Quality of answer on item (2) – 5%
        - Quality of answer on item (3) – 5%
- **Presentation Quality – 25%**
    - Communicated clearly and effectively – 15%
    - Understandable by non-technical audiences – 10%