Fall 2018 Project Guidelines: Idea Submissions

CAP 5415 - Computer Vision

It's still quite early in the semester, but everyone should already begin thinking about a project that they want to work on by the end of the semester. Given that it is a highly-weighted component of the course, this is not something that should be just thrown together in the last week before presentations. Rather, a successful project requires planning – the planning stage begins with selecting a solid project idea.

Below we have created a questionnaire of sorts to help guide you and your group in creating a brief write-up about your project idea. Please think carefully about the questions as you begin to draft an idea. Feel free to either reply directly to the prompts/questions, or to respond in a more formal format, addressing each key question within your write-up. If we see a project is too simple, or not fitting to the purpose of this course's goal, we will ask you to revise the content or change the title completely for your project.

Please be as thorough as you can in your responses to the questions we've posed about your project idea. We want to ensure you and your group are choosing a project that will allow everyone to demonstrate mastery of the core concepts taught in this course. *This also serves as a reminder that **all group members need to be contributing fair amounts to the project once you begin working on it. If someone is not doing their fair share in the group, report them to the TAs and/or Dr. Ozer ASAP.***

You will submit your proposal as .PDF file on Webcourses. **Please try to limit your submissions to one page (max two pages) in length.** There only needs to be **one submission per group**, just be sure to **type every members' full name** on both the **document you're submitting** and as a **comment** in the Webcourses submission.

Project Idea:
- **Title:** <some-project-title>
- **Group Members**: <we-assume-the-first-name-is-the group's-representative>
- **Pipeline:** <bulleted-list-of-steps-from-start-to-finish-of-what-happens>
- **Objectives:** <this-shouldn't-be-vague; try-to-be-clear-about-objectives>
- **What do you expect to achieve, of your objectives?** <be-as-realistic-as-possible>
- **Is this novel?** <yes/no>
- **Are you building upon previous work?** <yes/no>
    - **What is a pre-existing (or similar) code base(s) you'll draw from?** (Attempt to link these – preferably GitHub repositories, but others are acceptable, too.)
    - **What are the papers you'll use to guide your work?** (Please link them – Today, many papers are available through: https://arxiv.org/.)
- **What dataset(s) shall you use?** <use-well-established-datasets-where-available>
- **What makes this a worthy final project?** <paragraph-response>
    - **Is this a project that could be assigned to 3 graduate students studying computer vision and they could complete it in the same timeframe your group can?**

The submission deadline is **Tuesday, September 4th, 2018 at 11:59pm**. Late submissions are subject to not being graded. Do not hesitate to ask the TAs if you have any questions about the assignment, and tell them ASAP if you cannot turn the assignment in before the deadline.