CSE 473/573: Computer Vision and Image Processing

Guide to Project Final Report – Fall 2016
(Final Report constitutes 20% of total credit for the Project)

1. Cover Page:
   a. Your cover page should include the project title, your name and your partner's name, if any, and date of submission.
2. Literature Review:
   a. Your final report should include the review of technologies related to the project assigned to you.
   b. The literature review should outline the basic technologies you learned in the class (e.g., wavelet, edge detection) and specific technologies from the papers given for the project assigned to you
3. Project Final Report Format:
   a. Introduction:
      i. Mainly from literature reviews
      ii. Overview of the project carried out by you
   b. Your Approach:
      i. The overall system and how the techniques outlined in your reference paper work
      ii. Software and other methodologies employed to implement this project
   c. Outcome and Deviations
      i. Presentation of the project outcome (algorithmic results)
      ii. Discussion of the outcome (any deviation? Why?)
      iii. Lessons learned from algorithm development
   d. Explanation of Software and Program Development
      i. Presentation of the of software and program development by each partner (based on proposed partition for team project)
      ii. Discussion of the code development lessons. Clear explanation is needed when the programing codes are adopted from online sources or from standard and advanced software routines. (Full online adoption of codes is not allowed; only partial adoption codes may be allowed but may not receive full credit if no clear and reasonable explanation of the needs is provided.)
      iii. Lessons learned from programing codes development

     e. Summary and Discussion
         i. Summary of the project
        ii. Lessons learned in this course, including classroom, homework sets and project
     f. Bonus Presentation and Discussion
         i. Explain the new techniques beyond the project assigned to you and potential benefits by the bonus project
        ii. Present the overall algorithms for the bonus part on top of the assigned project
       iii. Conclusions from the bonus project and detailed explanation of your programing development. In the case when adopting online codes is allowed, clearly explain why and how the proposed adoption is carried out. (For most cases, you shall not receive any bonus if you adopt mostly the online codes for your bonus project.)
        iv. Lessons learned from the bonus project
     g. Acknowledgement (optional)
     h. Reference List (Bibliography – at one paper must be cited in your report; you may cite the same paper cited in the project description plus any other paper or website you have referenced during your project implementation.)

4. This final project report should be between 6-10 pages and is due (along with all source codes and results!) before **6:00pm Friday December 16, 2016.** Please follow the UBlearns submission protocol strictly. Only online submission (PDF or Word + code) is accepted.
5. A selected number of projects may be requested to show **demo in the afternoon on December 17 or in the morning on December 18**. The students will be informed via email once the selection is done in the morning on December 17.
6. If you are **leaving campus before December 18**, you will need to inform Prof. Chen and TA's via email so that an early demo may be arranged for your project before your departure time. Preferably you will need to submit your project and report by **December 12** so that a possible demo can be arranged on **December 13**, one day before the Final Exam on **December 14**.