Literature Survey Report

Overview: An independent **literature survey study** is to be carried out by each student taking CS821 in order to help them learn how to write their own thesis/publications. Each student must choose a subtopic related to biomedical imaging & analysis research and submit a survey report. Student's work will be graded based on the quality and completeness of the report.

Objective: This assignment provides you a hands-on exercise for conducting literature review and presentation toward preparing your own publication and thesis.

Assignment: A) Choose a subtopic related to biomedical imaging & analysis research. Use your textbooks and other resources to do this. B) Conduct a survey of the subtopic's recent literatures. You must find, read, and critique **minimum of five peer-reviewed published articles** published in major journals and conference proceedings (e.g., IEEE, ACM) that represent the state-of-the-art for your topic. Use your textbooks and other online resources (e.g., Google Scholar) to find such papers. SFSU library also provides online services for accessing articles in PDF version free of charge (http://library.sfsu.edu/computer-science-research). C) Submit a survey report together with articles you read. The report must follow the **SFSU thesis format** specified in the university guidelines (https://grad.sfsu.edu/content/thesis-dissertation-guidelines) and should roughly be **18 double-spaced pages** (two page introduction, two pages for each paper, four page critique and conclusion, and two page reference list). As for writing style, try imitating what you see in the papers you read.

Your report must include your original writing on the following items:
   a) Title, Abstract and Your Contact Information
   b) Introduction/Technical-motivation of Your Chosen Research Problem
   c) Academic Citation Information of More Than 5 Related Articles
   d) Brief Summary of Proposed Methods/Contributions by the Articles in (c)
   e) Detailed Critique on the Work described in the Articles
   f) Your Logical Conclusion based on Your Critique on (e)
   g) Suggestion of Most Promising Strategies for solving Your Research Problem
   h) Reference List in an academic format

Submission: Email your submission to the instructor (kazokada@sfsu.edu) and your TA Mr. Mohammad Vazeer Shah Abul Fazl (924301310@mail.sfsu.edu). The report is **due on Friday 12/12 10pm**. Late policy will apply. For submission, make a zip archive of your report and articles you read. If the size of archive is larger than 5MB, email a URL link to any available public storage site you may use.

Grading: This report will be evaluated on the basis of 1) evidence of learning, 2) correctness, 3) content's merit, 4) writing clarity, 5) completeness. The paper length is NOT proportional to your grade but the quality of your report is. This report covers **20% of the total grade** for CSC821. This assignment is not required for CSC621. **Late policy will apply.**