



Department _____ of _____ Computer _____ Science _____

CS525 - Requirements Engineering
February 17th 2020
Assignment 2 - Weight 6 %
Individual assignment

Task 1. Find at least 10 additional high quality recent research papers from IEEE, ACM, Springer and ScienceDirect only. DO NOT GO ON GOOGLE or any other website. These papers should be on the same topic as you have selected in your assignment 1 unless you want to change the topic in which case the total should be 15 papers.

Task 2. Use the IEEE conference proceedings format and write a report of AT LEAST 4 pages. Use whatever text you can use from assignment 1.

Task 3.

- Review the wider area section of assignment 1 and make any improvements if you want.
- Review the problem description of assignment 1 and make any improvements if you want. Identify 1 to 3 major problems that are being addressed by the 15 papers. Additionally, you could also identify a few minor problems that have been addressed in the papers. Do not write 15 separate problems – attempt to merge them. You can write “Authors in [1, 4, 7, 18] try to address [problem name]”.
- Add the 10 solutions and discuss their viability. We define viability as “does the proposed solution seem to be able to solve the problem?” Do not write 15 separate solutions – attempt to merge them. You can write “Authors in [4, 5, 8, 14] propose a similar framework for this problem”.
- Add the loopholes in the proposed solutions that you can see yourself or have been pointed out by the authors (e.g., in the limitation section). Do not discuss the loopholes of each paper separately – attempt to merge similar loopholes of different papers in place. E.g., You can say that “there is [issue name] issue in [1, 2, 3, 9]”.
- Add the future directions that the authors have themselves pointed out. Again, try to identify 3 to 5 major future directions. Not more.

Remember, 10 papers is the lower limit, there is no upper limit. Future assignments will be based on Assignment 2 therefore hard work in this assignment will also continue to pay off in later assignments.

Hint

One easy way to find similar papers is to look at the reference section of the already selected 5 papers in assignment 1. You could also look where the 5 papers from assignment 1 have been cited.

Grading rubric

Strict adherence to the IEEE template – 1 point

5+10=15 High Quality research papers – 1 point

Synthesis of the major and minor problems that are being targeted – 1 point

The viability of the proposed solutions – 1 point

Any loop holes/limitations in their solutions – 1 point

Any future directions that the authors have themselves pointed out – 1 point

Any kind of plagiarism will lead to an F in this assignment (as a minimum penalty).

Deadline to submit: Friday, March 6th, before 12 Noon via SLATE (the assignment and all referred papers) AND the hard copy of the paper in my office.