Research Project: Final Presentation and Report

Instructions:

There are three steps to summarize your research project (28% final grades):

1. a final presentation due May 1st (Tue) 9:45-11:45 am in the classroom
2. a one-to-one meeting for comments and future plans on May 1st after presentations
3. a final report (6-page, acm format https://www.acm.org/publications/proceedings-template-16dec2016, including the references), together with anything is needed to reproduce your research including data, tools you built, latex package of the paper) due May 3rd (Thur) 11:59 pm

Regarding presentations: each team will have 20 minutes to present. Since there are other exams in this classroom after us, I have to cut you off after 20 minutes. Your presentation should include the following components:

1. the contributions of your work: what are the key contributions and findings of your work? For example:
   
   (a) we find X number of patterns of constants that have interesting meanings
   (b) we develop an algorithm and a tool to mitigate the global attack
   (c) we apply machine translation to recover the names for the stack overflow posts
   (d) we classify the infinite loops into three categories ...
   (e) we answered a set of research questions about adaptive changes, RQ1: ... RQ2:....

2. the best example(s) that can demonstrate your contributions

3. an overview of the approach: insert some figure(s) to indicate your research steps and approaches

4. details: data, algorithms, tools, analysis of the results

5. justify the novelty of your work: related work

6. conclusions: yes, a good idea that should be further explored; or no, not interesting

Regarding reports: you can use standard research papers as examples. A paper typically will include an introduction, an overview/example, methods/algorithms, results and data analysis, related work and conclusions.

The grading criteria:

1. research quality (12 pt):
   
   (a) (3 pt) does your work contain novel and interesting ideas?
   (b) (3 pt) has your work made important research contributions and led to interesting findings?
(c) (3 pt) have you done enough feasibility studies and collected enough evidences to reach a conclusion? can your conclusion answer whether the idea is feasible for future work?
(d) (3 pt) are your methods scientific and correct? your conclusions are correctly drawn?

2. presentation quality (7 pt):
   (a) (6 pt) do you include correct and sufficient contents for the six components given in the above guideline?
   (b) (1 pt) is your presentation clear and succinct?

3. paper quality (9 pt):
   (a) (3 pt) is your paper easy to understand? Please use figures, graphs, examples ... 
   (b) (1 pt) do you have a good structure for the paper?
   (c) (2 pt) are your research arguments making senses?
   (d) (2 pt) have you summarized important related work? have you cited your references properly?
   (e) (1 pt) have you done spell and grammar checking?