Following are the general steps in any scientific research:

1. Select a problem
2. Review current literature and theory (called a literature review)
3. Develop hypotheses or research questions
4. Determine an appropriate methodology
5. Collect relevant data
6. Analyze and interpret the results
7. Present the results
8. Replicate the study if possible

The goal of Phase I was to select a problem. The purpose of this report is to accomplish steps 2, 3, and 4 that are essential to successful completion of Phase II. The literature survey you did for Phase I was to identify a problem. The literature review in step II is somewhat different. Here you would mainly focus on the papers that specifically address some aspects of the problem you have chosen.

**Report:**

The report should be written in a technical style using good English. All referenced sources should be cited. The report should provide answers to the following questions:

1. Precise hypothesis or research question.
2. A summary of related work specific to your hypothesis or research question.
3. A brief description of your methodology and rational behind choosing the stated methodology.
4. A tentative timeline that identifies specific milestones.
5. A brief description of each member’s role.

Restrict your reports to maximum of 7 pages (minimum 10 point font and excluding citations).

**Paper Presentation:**

Each student should select two papers: one classic paper which has been often cited and one recent paper which has been published in a good conference. Papers should be related to your project topic. A student needs to make sure that there is no overlapped selection in your group. The professor will review those papers and select one of them based on the quality and relevance of papers.

Each group must write one page including

1. The list of paper selections of each group member.
2. The reasons to choose a paper for each selection.
3. Links to the papers (make sure the link is available).
The presentation will be as follows:
1. Each group will have 5 minutes for overall introduction, motivation, and challenges in their topic.
2. Each student in a group will have 10 minutes for the selected paper.
3. At the end, each group will have 4 minutes for Q&A.

A student must send slides to TA (su.kim.asu@gmail.com) before 6 am on the presentation day.

**Project Video:**
Each group must make a conceptual video for the project. No limitation for video length and content. Be creative!
Please refer the neurophone video. [http://www.youtube.com/watch?v=tc82Z_yfEwc](http://www.youtube.com/watch?v=tc82Z_yfEwc)

**Submission:**
- Submit hardcopies of your reports (both phase 2 and paper selection) at the beginning of the class.
- Send softcopies of your reports (both phase 2 and paper selection) and video to su.kim.asu@gmail.com before the class. (If the file is too big, please send a link to download it.)