

CISC 897 – Research Methods in Computer Science

Fall 2016 – Assignment # 6

Due October 28th, 2016 on OnQ

Task 1 – Research time-plan

Following the research plan from Assignment 5, annotate your plan (as discussed in class) with:

- Timelines for each component
- Identify tentative “roll back” points, which mostly occur in your methodology/tools component
- When will you plan
 - Intervals in which you will invest in revisiting research
 - Breaks
 - Peer discussion/review of ideas/manuscripts
 - Supervisor feedback for large components (i.e. **not** weekly meetings)
- Will you plan for a publication? If so, when will you start:
 - Writing the manuscript
 - Do you have a target venue? Does it have a deadline (e.g. Conference or Special Issue)? So when do you plan to have a draft ready for your supervisor’s feedback?

Attempt to use a Gantt Chart in planning out your research plan in terms of components, as discussed in class. If you wish to use another tool, feel free to come up with a clear outline of timelines and dependencies. A thorough analysis of Gantt charts is [available here](#). However, you can sketch one with any of the available software packages online, or Spreadsheet software.

Task 2 – Planning for research tools

What tools will you use in your research, what methods will you need to learn for carrying out your research. For example, for:

- Methodology (e.g. Using a Cloud architecture or understanding Ultrasound/MRI tools and techniques)
- Experiment design and execution
- Reporting results (e.g. Software packages)
- Interpreting your results (e.g. Statistical tests? Understanding benchmarks?)

Write down each of these tools/methods, and the anticipated learning curve for each of them. You can consult with your supervisor or a senior member in your research lab to predict your learning curve.