Help with writing Project Report/Paper

- Type 'Illanko' in the IEEExplore, find my papers, and download the following four papers.

  Low complexity energy efficient power allocation for green cognitive radio with rate constraints

  Dual Methods for Power Allocation for Radios Coexisting in Unlicensed Spectra

  Sub-channel and power allocation for multiuser OFDM with rate constraints using Genetic Algorithm

  Adaptive demodulation using Raptor codes: Analytical results and extension to fading channels

- There are two papers that I wrote for course projects while I was a PhD student at Ryerson. The one on Genetic Algorithm and the one on Raptor Coding.

- The other two papers will also help you.

- Pay particular attention to the way the abstract is written.

- Being able to summarize one's ideas is a hallmark of intelligence.

- This is why, since the time we were small children, every aptitude test had questions where we were given one or two pages of information and were asked to summarize it in one paragraph.

- Next notice how the literature review is summarized in approximately one page, in each of the 4 papers.

- Other than the abstract, most of the skills involved in writing is learned by imitation.

- We imitate the style of other researchers in our area, whose writing we like.

- Soon I will post a latex template on the D2L.

- All you have to do is erase my writing and fill the template with your paper/report.

Remember your report should be written using Latex. Using word for reports and papers at graduate level is simply unprofessional.

Common Shortcomings in the Related Work Literature Review

1) Some students put a heading for each of the paper they read and give a paragraph of information about that paper. That could be your first or second step. Your final literature review should be in the style you see in some of my own papers I suggested you look in order to learn how to write. What is happening in each paper should be summarized in two or three sentences at most.

2) The total space of the review should be 1 to 2 pages.

3) You must include at least 10 papers total of which only about 3 can be papers/books about neural networks. The rest should be about research similar to yours.

4) The following is what you do if you cannot find enough papers in your topic of interest: Suppose your project is about the alternator in a car and you could not find enough papers on alternator. You start finding papers that deals with the battery-start-ignition-electrical systems in car. Suppose you could not find anything on this topic either. You start looking for papers on car engines as a whole. Suppose there aren't any there either. You now include all vehicles, not just cars.

5) Do not spend too much time talking about Neural networks if all you are doing is using the babyNN or childNN from the text. If you are using special neural networks then that is another matter. Also, if you are using libraries or other software, plead do include information about them somewhere in the report. Remember the main part of the literature review is describing what other researchers did.

6) The references should be typed up in the IEEE format –you can read about it – or you can simply follow how it is done in my papers