

Writing Competency Requirement in Computer Science

To fulfill the requirement, essentially you need to select a subject, locate scholarly articles and/or books on the subject, and write a stand-alone literature review article on the subject.

1) **The purpose of a stand-alone literature review article**

- a. Overview and analysis of the current state of research on a topic
- b. To evaluate and compare previous research on a topic
- c. To provide an analysis of what is currently known and to reveal the success, weaknesses, and issues not yet addressed in current work—pointing to directions for future research

2) **The structure of a stand-alone literature review article**

- a. **Abstract** – A succinct summary providing an overview of the contents
- b. **Introduction** - Description of the topic, the importance of the topic and the related applications, the aspects of topic you want to explore, and the level of understanding you want to bring about through the paper.
- c. **Literature review of a number of aspects on the topic:**
 - i. Aspect #1: A description of relevant work done so far on this aspect to show how the current study relates to what has already been done
 - ii. Aspect #2: A description of relevant work done so far on this aspect to show how the current study relates to what has already been done
 - iii. ...
- d. **Discussion and Conclusion** - What was found in the course of the study? What do the results mean for the future? For example, describe (i) the success, weaknesses, and issues not yet addressed in current work, and point out (ii) what could be done further in the future.

3) A sample draft and its flaws

The [sample draft paper](#) on the website is an example of a stand-alone literature review article submitted for the Writing Competency Requirement. **Note that this draft has a number of flaws to fix.** For example, it **lacks an abstract** in the beginning and in the bibliography a lot of sources of referenced in the paper are from the Internet, instead of peer-reviewed journal articles.