

# Course: Project Management and Research Methodologies

## Assignment 2: Literature Review

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**Issued:** Tuesday, 21/11/2017

**Due:** Thursday, 7/12/2017

### Objective

In this assignment you are asked to work in **groups of two**.

In specific circumstances you will be allowed to work individually. The objective of the assignment is to perform a limited (i.e. NOT systematic or comprehensive) review of current state of the art in a given domain.

### Topic

A number of research papers have been uploaded in eClass, covering a diverse set of topics of Computer Science, Computer Engineering, Telecommunications and Multimedia.

You need to

1. Select one of these papers, which by default will decide the topic you are reviewing;
2. Identify at least 6-7 recent scientific papers – published preferably during the last 5 years - using WWW or library facilities. Finding appropriate articles is important and may contribute to a higher mark.
3. Use this set of published results in order to produce a concise review (approximately 6-7 pages) of current state-of-the-art in the specific domain. You are asked to use the IEEE Computer Society Tempalte (uploaded), as if you were writing a Review Paper to be submitted to an IEEE journal.
4. You may propose other topics for your review. Please communicate your topic to the course instructor for approval.

### Content

Each team should be working towards delivering a written survey report containing the following:

- *problem formulation*: describe the main concepts in your topic;
- Identification of “themes”, i.e. main issues presented and discussed;
- *techniques and methods*: describe the main methods being used within your topic, providing your own critique and opinions;

- *Summary*: summarize your report. The ability to identify “open issues” and “future directions for exploration” will be strong plus for your work;
- List of articles that you have used in preparing your report. In doing so you are required to select the IEEE style of references and use it for all your references.

## Structure and content of the survey report

- Your report must be tutorial and self-contained.
- It should show your understanding of the **most important** concepts and methods within your topic.
- You may structure your report as you wish, but you must obey the following rules (to make your report easily verifiable).
  - you are expected to use your own wording and formulation, except when you quote from other publications and put it in quotes, as explained below.
  - All quotations should be put in quotation-marks and should refer to the source article and page number, e.g., **lookahead** was defined as "the ability to ..." (see Fujimoto et al., page 695).
  - If you say something that is not a direct quote, but is stated in some other form in one of the articles, you must refer to that article, e.g., “performance of ... schemes depends on ..... as discussed in [give reference to the source]”.
  - You may say something that is not mentioned in the articles, but according to your understanding should be correct. You are strongly encouraged to practice such initiatives and signs of creativity.

## Additional Resources

1. Literature Reviews, University of North Carolina Available at:  
<http://writingcenter.unc.edu/resources/handouts-demos/specific-writing-assignments/literature-reviews>
2. Writing literature Reviews, Monash University Available at:  
<http://www.monash.edu.au/lis/lionline/writing/general/lit-reviews/index.xml>