

Project Description:

Course Project for SYSC5801 Winter 2013:

There are two options for the course project: literature survey and research proposal, or actual small experimental project. For literature survey and research proposal, you need to explore a technical area related to one of the topics in the list or approved by me. The project should include a survey, presentation/discussions/comparisons of the results, and suggestion of a research direction or project that extends the reviewed articles. For the experimental project, simulation of experiments is expected.

One main objective of the project is to **explore previously unknown facts/insights**. A 1- or 2-page **proposal needs to be submitted**. The proposal should: (i) describe the selected topic and the relevance of the topic to the course, (ii) provide the outline of the project (could have modifications later), and (iii) list main references to be used in the research. For a team-effort, only one proposal is necessary.

The final report is limited to 15 to 20 pages. The following points need to be considered for your project and report:

- Use publicly available references, preferably academic journals and conference proceedings, the majority of which were published within the last 2-3 years. References to web pages that are not published in academic journals or conference proceedings should be limited as they may not have been reviewed.
- Projects should not overlap much with course content: check the course website for class notes and list of topics for reference.
- Reports and suggested research should focus on technical aspects instead of marketing or business issues.

The format of the report:

- Cover page, abstract, and reference list are mandatory for the final report.
- 11pt fonts or larger (for cover page, headings and subheadings), 1in margins on four sides. The text may be typeset single-spaced with clear indentation and spacing between paragraphs.
- For research proposal, the proposal itself should be at least 1/5 long, including: what problem(s) to address, suggested solutions, justification of your idea, expected outcomes, etc.
- For experimental efforts, the description of the experiments, results, and their analysis (including a comparison to related work) should at least be 1/5 of the report.