# Assignment 5:  Project Description section,
## Sr Project Proposal

## Instructions

Write a <u>two-page</u> project description section for your senior project.  This section corresponds to the "Proposed Solution" and "Substantiation" sections of the Proposal Abstract Outline, below. The following characteristics must be present in your project description:
1) Specificity, (convey as much information as possible with every word)
2) Certainty, (choose a solution and present it confidently)
3) Clarity, (make the reader understand your descriptions)
4) Thoughtfulness, (anticipate problems and present contingency plans)
5) Completeness, (include all supporting information, including time line, schematics, budget, and etc.)
6) Realism, (choose a solution that fits the time and resources available)

Also, attach a Gantt chart and a budget as separate pages.  (See Proposal Abstract Outline, below.)

Use the IEEE Conference Paper Format for your project description section, but use only a single column rather than two.

## Proposal Abstract Outline (Adapted from Proposal Outline by John S. Harris, BYU)

III.   Proposed Solution
    A.   Rationale of proposed solution
    B.   Method and procedure of proposed solution
        1.   Hardware diagrams
        2.   Software diagrams
    C.   Expected results (performance specs of final system)
    D.   Means of verifying results (e.g., test/checkout procedure)
    E.   Contingency plans
IV.   Substantiation
    A.   Time Line (summarize time line in words)
    B.   Budget (summarize budget in words)
V.   Gantt Chart (attach as separate page)
    A.   Define tasks in terms of precisely-defined deliverables
    B.   Gantt Chart with bars showing beginning and ending time of tasks
VI.   Budget (attached as separate page)
    A.   List each significant cost item as a line in budget
    B.   Use following column headings: item #, qnty, part #, description, amnt, ext

## Grading Criteria

- Characteristics listed in instructions:
  Specificity, Certainty, Clarity, Thoughtfulness, Completeness, Realism
- Style and grammar