Project Guide

This project seeks to develop student's skills in collaborative working and information literacy while still advancing their discipline knowledge and provide a stimulus for the literature searching activity. Groups will be expected to produce a collaborative report detailing their assessment of the topic.

The general objectives are for students to:

• Analyze and interpret and analyze the provided data and information provided by others

• Perform an analysis and make recommendations based on engineering principles and judgment including comparison of options.

• Gain experience functioning on multi-disciplinary teams that may include participating engineering students from diverse backgrounds.

• Understand professional and ethical responsibility to address the public needs.

• Develop the ability to carry out literature search to find information necessary for completing the project.

• Develop an ability to use the techniques, skills and modern engineering tools necessary for engineering practice.

• Improve communication skills by:

  o   Meeting regularly with groupmates
  o   Documenting decisions in clear and concise ways
  o   Planning and preparing a final report
  o   Presenting and defending the final project before peers
  o   Keeping records of time spent on various aspects of the project

Final report & Video

The project report should be between 18 to 22 pages (page margins of one inch, Times New Roman 11 point, with 1.5-line spacing). Each report should consist of 1 page of summary include problem description, identification of possible solutions and comparison of alternatives, and 1 page of conclusion and references. The video presentation should be about 8 to 10 minutes and consist of maximum 10 slides. All members should contribute to the video.