ECE4500J & ME4500J & MSE4500J
UM-SJTU Joint Institute, Summer 2024

Literature Survey Guidelines

Search literature for <u>YOUR OWN</u> project through the library catalog, library databases, google scholar, etc., and *prepare to give a 4-minute presentation during the lecture* about the literature you have searched concerning the following aspects (my suggestion is a 4-slide presentation, one slide per minute):

1) Present research status about the project by answering questions like below (but not limited to):
   ➢ What are the major achievements people in this area have?
   ➢ What are the newest developed systems or solutions in this area? What are the major advantages or disadvantages of the existing solutions?
   ➢ What kinds of experiments did they do? What methods, equipment or technical routes did they use?

2) What problems are analyzed and solved? What problems do we still have to solve?

3) What do you think about the future development trends of the project?

Notes:
1) Please write the following in your presentation:
   (1) The title page should include your project title, your names, the project sponsor, and your section instructor.
   (2) Page number in each slide.
   (3) References, whenever you cite figures or equations from other's work.
   (4) The keywords or search strategies you have used in your search.
   (5) The databases or search engines you have used, e.g., Scopus, EI, WOK - Web of Science, etc.

2) Use your project keywords. More importantly, try to use synonyms and near-synonyms of the keywords, for instance, synonyms and near-synonyms of "car body" can be "auto*", "auto* body", "vehicle body", "bodywork", "body" or "carrosserie".

3) You can search library databases such as Ei - Engineering Village, WOS - Web of Science, Scopus, IEEE/IEE Electronic Library, ACM Digital Library, ASME, SAE, etc. (http://www.lib.sjtu.edu.cn/)

4) You can use generative AI tools to help with the survey. However, please also ask for citations in the AI tools so that exact references could be included in your slides.