



VM 450 Design and Manufacturing III
VE 450 Major Design Experience

UM-SJTU Joint Institute, Fall 2018

Literature Survey Team Assignment

Search literature for YOUR OWN project (e.g., “Smart Working Station” or “Intelligent Glove with Sign Language Translation Device” from COMAU projects) through the library catalog, library databases, google scholar, etc., and prepare to give a 4-minute presentation during the lecture on Oct 08 and 10 about the literature you have searched concerning the following aspects (my suggestion is a 4-slides presentation, one slide per minute):

1) Present research status about the project by answering questions like below (but not limited to):

- How many documents are related to your project in recent years?
- Who writes the most articles or which teams are well-known in this area?
- 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, equipments 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)References;
- (2)The keywords or search strategies you have used in your search;
- (3)The databases or search engines you have used, e.g., Scopus, EI, WOK - Web of Science , etc.

2) Use your project keywords. For example, for GE projects, the key words can be “Low-Scaling” or “Home RO System.” 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 such library databases as Scopus, EI, WOK - Web of Science, IEEE/IEE Electronic Library, ACM Digital Library, ASME, SAE, etc.
(<http://www.lib.sjtu.edu.cn/index.php?m=content&c=index&a=lists&catid=223&initial=>)

4) If you run into some difficulties, you can email the SJTU Library subject service team by qlhuang@lib.sjtu.edu.cn, xgao@lib.sjtu.edu.cn, zlchen@lib.sjtu.edu.cn or lhma@lib.sjtu.edu.cn.

5) If you can't access the databases at home because the access is IP controlled, maybe you can try the Proxy Service (代理服务): <http://net.sjtu.edu.cn/wlfw/wlfwlist.jsp?wbtreeid=1045>