

ME-573 Project 0.5

(Total project is worth 100 points. Project time is ~2 weeks)

Overview:

This individual project is intended to develop a brief snapshot of the state of reliability analysis in engineering.

Project:

Do library/computer searches, etc. for the following items on reliability in engineering.

1) Books in Print:

Create a list of books in print for 1990 to the present on reliability in engineering. Include authors, title, publisher, and date of publication.

2) Proceedings, edited works:

Create a list of proceedings, edited works in print, etc. for 1990 to the present on reliability in engineering. Include editors, title, publisher, and date of publication.

3) Current Periodicals:

Create a list of current periodicals dealing with reliability in engineering. Include title, publisher and frequency of publication.

4) Articles on Reliability:

Create a list of articles dealing with reliability in engineering since 1990. Because this number may be large, it might be a good idea to create a graph showing the number of articles published each year from 1990 to 2000.

Finally, choose one of the books in print on reliability in engineering and do a brief review. Include in your write-up the author, publisher, title, year of publication, whether the book is for industrial reference or is a text book, and the depth of topics covered (i.e., broad overview or in-depth analysis). Your review should touch on topics covered, their relevance to Mechanical Engineering, and their relevance to your area of interest.

Report

The report should be in the form of memo to me (Michael Jenkins) describing what you did and your results. Any supporting information should be contained as an attachment. Please provide formal graphs or tables with appropriately-numbered captions and headings. Refer to these figures and tables (e.g., see Figure 1, etc.) in your memo.