DISS 725: The System Development Process (3 credits)

ASSIGNMENT 1: Literature Search & Annotated Bibliography

Objective:

The objective of this assignment is to provide the student with knowledge of the literature available in the area of system development. In addition, the student will learn how to conduct an online search for literature, how to evaluate articles retrieved, how to write references in APA and GSCIS format, and how to write an annotated bibliography.

Task 1 – Literature Search

1. Perform a literature search on one topic from each of the areas noted below, that is, (1) Software Engineering or Software Development Processes, (2) Development Process and Phases, (3) Process Issues. This means you will need to perform three separate searches, one for each of the three areas.

   If needed, you may further refine your search in a topic to address a particular issue or topic, such as OOD.

   Expand your literature search as needed until you find ***at least* ten** high quality articles from peer reviewed journals for each area, and that based on your reading of the article abstract, you feel is research worthy. You may need to get at least 30 to 40 or more hits from each search to get to 10 goods ones (unless you are really lucky or really good at doing searches). You need to read the abstracts of the paper to determine if the article appears to be a good one for your research. In some cases you may need to read the article itself (just skim it if needed). REMEMBER: peer-reviewed journals only.

   Remember, you may use these articles as your references for your two research papers (at least for the idea paper), so try to get what you need now and save yourself some work later.

2. Once you complete the search, give me a listing of the references you found, as formatted for the Reference Page per the GSCIS Dissertation Guide in APA/GSCIS format. This should be 1-2 pages (or more) depending on how many good hits you get, for each topic. You should categorize it by each topic. (Note: simply, all you are doing here is giving me the Reference Page for each topic).

   Deliverables:
   1. List all references in APA format.

Task 2 – Annotated Bibliographies

From your review of the abstracts, select one article from each of the three topics from above, obtain a copy of the article, read the article thoroughly, and write a one-page (single spaced) annotated bibliography, as formatted in the Dissertation Guide. This should not be a rehash of the abstract, but a high level discussion of the article, noting the author's research points, findings, etc.

Deliverable: You will submit three annotated bibliographies, one for each topic.

NOTE: In preparation for assignment two, you should pay particular attention to selecting a high quality, research-based article from a peer-reviewed journal.

Areas of Research

1. Software Engineering or Software Development Processes

2. Development Process and Phases:
   System Requirements
   System Analysis and Design
   Subsystem and System Test
   System Implementation and Maintenance

3. Process Issues:
   Planning and Project Management
   Process Prediction
   Process Assessment
   Process Quality
   Process Improvement