**SysEng 6104 Project Task II**

**Inputs for Architecture Generation**

1. Based on lectures on last two lectures and your reading assignment and SEBoK v1.9.1 define the following terms with 20-30 words:
   1. Architecture
   2. Architecting Process
   3. Architect
   4. Architecture Generation
   5. Architecture Representation
2. Based on your answer to question 2.e in Project Task I review the key performance attributes that you have provided and come up with five important key performance attributes for the system that you have selected for Project task I and define each of them with 20-30 words.
3. Provide an upper and lower bound for each key performance attribute selected with description of 20-30 words for each bound and possible way to measure it.
4. Using the references below or your own reference search using google scholar or similar search engines
5. Complex Adaptive Systems Volume 8, Procedia Computer Sciences Volume 140-2018 Cihan H Dagli Editor , Elsevier, SciVerse ScienceDirect ( www.sciencedirct.com) ISSN 1877-0509, November 2018. <https://www.sciencedirect.com/journal/procedia-computer-science/vol/140/suppl/C>.
6. Complex Adaptive Systems Volume 7, Procedia Computer Sciences Volume 114-2017, Cihan H Dagli Editor , Elsevier, SciVerse ScienceDirect ( www.sciencedirct.com ) ISSN 1877-0509, November 2017. <http://www.sciencedirect.com/science/journal/18770509/114>
7. Complex Adaptive Systems Volume 6, Procedia Computer Sciences Volume 95-2016, Cihan H Dagli Editor , Elsevier, SciVerse ScienceDirect ( www.sciencedirct.com ) ISSN 1877-0509, November 2017. <http://www.sciencedirect.com/science/journal/18770509/95>
8. Complex Adaptive Systems Volume 5, Procedia Computer Sciences Volume 61-2015, Cihan H Dagli Editor , Elsevier, SciVerse ScienceDirect ( www.sciencedirct.com ) ISSN 1877-0509, November 2015. <http://www.sciencedirect.com/science/journal/18770509/61>
9. Complex Adaptive Systems Volume 4, Procedia Computer Sciences Volume 36-2014, Cihan H Dagli Editor , Elsevier, SciVerse ScienceDirect ( www.sciencedirct.com ) ISSN 1877-0509, November 2014. http://www.sciencedirect.com/science/journal/18770509/36
10. Complex Adaptive Systems Volume 3, Procedia Computer Sciences Volume 20-2013, Cihan H Dagli Editor , Elsevier, SciVerse ScienceDirect ( www.sciencedirct.com ) ISSN 1877-0509, November 2013. http://www.sciencedirect.com/science/journal/18770509/20
11. Complex Adaptive Systems Volume 2, Procedia Computer Sciences Volume 12-2012, Cihan H Dagli Editor , Elsevier, SciVerse ScienceDirect ( www.sciencedirct.com) ISSN 1877-0509, November 2012. http://www.sciencedirect.com/science/journal/18770509/12
12. Complex Adaptive Systems Volume 1, Procedia Computer Sciences Volume 6-2011, Cihan H Dagli Editor , Elsevier, SciVerse ScienceDirect ( www.sciencedirct.com) ISSN 1877-0509, November 2011.<http://www.sciencedirect.com/science/journal/18770509/6>
13. 2015 Conference on Systems Engineering Research Procedia Computer Science Volume 44, Pages 1-718 (2015) Edited by Jon Wade and Robert Cloutier SciVerse ScienceDirect ( www.sciencedirct.com ) ISSN 1877-0509 March 2015 http://www.sciencedirect.com/science/journal/18770509/44
14. 2014 Conference on Systems Engineering Research, Procedia Computer Science, Volume 28, Azad M. Madni and Barry Boehm Editors ( www.sciencedirct.com ) ISSN 1877-0509, March 2014 http://www.sciencedirect.com/science/journal/18770509/28.
15. 2013 Conference on Systems Engineering Research, Procedia Computer Sciences Volume 16 Christiaan J.J. Paredis, Carlee Bishop and Douglas Bodner Editors, Elsevier SciVerse ScienceDirect ( www.sciencedirct.com) ISSN 1877-0509, March 2013 <http://www.sciencedirect.com/science/journal/18770509/16>
16. New Challenges in Systems Engineering and Architecting, Procedia Computer Sciences Volume 8-2011, Cihan H Dagli Editor, Elsevier, SciVerse ScienceDirect ( www.sciencedirct.com) ISSN 1877-0509, March 2012 http://www.sciencedirect.com/science/journal/18770509/8

select at least five papers that will help you understand architecture assessment, systems architecture, system architecting process, complex systems, systems of systems, meta architectures, architecture generation, and provide 100 word summary of each paper selected.

***Please also upload the papers that you have selected and your project task II as a zip file to Canvas***