**CSC 835**

**Project Management**

**Summer 2021**

**Assignment 1**

**Project Scheduling**

**Due Date: 06/27/2021**

The purpose of this assignment is to practice software scheduling procedure. Let’s assume that you are a project manager leading a team to develop a software system for your customers. Your goal is to set a reasonable schedule to identify a complete set of system requirements in one month. To accomplish this assignment, you will need to complete the following tasks:

1. Based on the waterfall model, identify at least 20 tasks of the **analysis phase** that might help the team to identify system requirements of the project. Each task shall include the time (duration) needed for the task. **You also need to identify the purpose, expected input, and output of each task.**
2. Use Microsoft Project to draw a PERT that shows the order of the tasks and relevant milestones.
3. Identify the TEs and TLs for the milestones in (2), and determine the critical path(s) in the chart. Microsoft Project does not have such function for determining TEs, TLs, and critical path(s). You will need to calculate them manually, and put them in the chart. (You can add the data to the milestone nodes as comments.)
4. Check the corresponding Gantt chart after creating your PERT chart.
5. Put the list of the tasks in (1) and both of the charts in (3) and (4) in a Word document, including the explanation of the tasks and the charts. Submit the Word file to EKU Blackboard.

**The following grading rubric will be used to grade your written assignments.**

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| **Criteria** | **Poor**  **0 - 59 points** | **Average**  **60 – 89 points** | **Excellent**  **90 – 100 points** |
| **Lists of appropriate tasks** | Can’t list 20 tasks, or the tasks can’t be implemented (executed). | Can list at least 20 executable tasks. Some of the orders of the tasks in the PERT chart are not appreciate or reasonable. | Can list at least 20 executable tasks, and the orders of the tasks in the PERT chart are reasonable. |
| **TE and TL calculation** | Can’t calculate TEs and TLs of milestones in the PERT chart. | Can calculate TEs and TLs of milestones, but can’t determine the critical path(s) in the PERT chart. | Can calculate TEs and TLs of milestones, and determine the critical path(s) in the PERT chart. |