BA 353: Operations Management Online Class Activity (OCA) 2

Let’s review the Critical Path Method (CPM) for Project Management that we learned before Spring Break (and when life was still close to normal). As you may recall, our goal here was to determine how long a project should take, which steps are critical – that is, they must be completed on time to meet the deadline – and how much slack (or float) time each activity has.

Before the break, you did ICE 6. To refresh your memory, an answer key is online on the course webpage <http://faculty.fortlewis.edu/huggins_e/OperationsS20.htm> . Also, here is a decent video of how to do CPM <https://www.youtube.com/watch?v=-TDh-5n90vk> . I will eventually try to make my own videos for the new topics we will cover, wish me luck as this is all new to me!

So, for the project below with 12 activities and given their activity times and precedences, determine the project completion time, critical path and slack times.

This assignment is due on Friday 04/03/20 by midnight. Submit via Canvas (or email it to me if you must).

|  |  |  |  |
| --- | --- | --- | --- |
| Activity | Time | I.P. | Slack |
| A | 18 | --- |  |
| B | 7 | --- |  |
| C | 9 | B |  |
| D | 8 | B |  |
| E | 5 | B |  |
| F | 7 | A, C |  |
| G | 9 | D |  |
| H | 10 | E |  |
| I | 15 | E |  |
| J | 6 | F |  |
| K | 6 | G, H |  |
| L | 5 | I, K |  |

Completion Time \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Critical Path \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_