Type your Name Here

American Intercontinental University

MGMT412 – Project Management

Date of Submission

**Unit 5 Individual Project**

**Introduction**

*“Provide a brief introduction (2-3 sentences) for the purposes of previewing what will be covered. Remember to always indent the first line of a paragraph (use the tab key). The margins, font size, spacing, and font type (italics or plain) are set in APA format. Please do not change the names of the headings and subheadings, and do not change the font or style of font.”*

**Time Required to Complete Jobs**

Mike was hired as a project manager to install hardwood floors for the company Awesome Floor and Tile. They will be installing new flooring into a local office building. Mike comes up with the list of work and estimates the time. A list of activities and their optimistic completion time, the most likely completion time, and the pessimistic completion time (all in days) are estimated in the table.

|  |  |  |  |
| --- | --- | --- | --- |
| **Activities** | **OT** | **MT** | **PT** |
| Activity 1 | 2 | 3 | 4 |
| Activity 2 | 3 | 6 | 9 |
| Activity 3 | 4 | 8 | 12 |
| Activity 4 | 6 | 8 | 10 |
| Activity 5 | 8 | 10 | 12 |
| Activity 6 | 10 | 14 | 18 |
| Activity 7 | 4 | 6 | 8 |

Activity 2 starts immediately after Activity 1.
Activity 3, Activity 4, and Activity 5 start concurrently after Activity 2.
Activity 6 does not start until after Activity 3, Activity 4, and Activity 5 are completed.
The carpet installation project is complete after Activity 7 is completed.

**Determine and Explain Key Calculations**

“Determine and explain the expected completion time and the variance for each activity. Determine and explain the total project completion time and the critical path for the project. Determine and explain Early Start (ES), Early Finish (EF), Late Start (LS), and slack for each activity. What is the probability that this project will be finished in 40 days or less?”

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Activities** | **OT** | **MT** | **PT** | **Expected Completion Time** | **Variance**  |
| Activity 1 | 2 | 3 | 4 |  |  |
| Activity 2 | 3 | 6 | 9 |  |  |
| Activity 3 | 4 | 8 | 12 |  |  |
| Activity 4 | 6 | 8 | 10 |  |  |
| Activity 5 | 8 | 10 | 12 |  |  |
| Activity 6 | 10 | 14 | 18 |  |  |
| Activity 7 | 4 | 6 | 8 |  |  |

**Benefits of Using Project Management Techniques**

“Define how to gather the project requirements. Analyze whether there are any potential changes that could impact overall project schedule and project finishing times. Explain the best methods for managing the change requests and what kind of process this project should involve. Analyze implications of changes in project scheduling. How do changes impact the calculations and the critical path? Evaluate applications of project management techniques in terms of the firm's business operational goals and requirements.”

**Conclusion**

 “Add some concluding remarks in a sentence or two.”

**References**

“NOTE: The reference list starts on a new page after your conclusion.

*(Edit these references, add additional ones you used and delete the references you did not use.)”*

**eBook - AIU Course Textbook**

Author, A. A. (Year). *Title of book in italics.* City, State Abbreviation: Publisher Name.

Retrieved from <http://wow.coursesmart.com/>

**M.U.S.E. Materials**

American InterContinental University. (Year). *Unit title: Presentation title* [Multimedia

presentation]. Retrieved from American InterContinental University Virtual Campus,

Course Code-Session Number-Section Number: https://mycampus.aiu-online.com/

**intellipath**

 American InterContinental University. (Year). *Unit title: Presentation title* [intellipath].

Retrieved from American InterContinental University Virtual Campus, Course

Code-Session Number-Section Number: https://mycampus.aiu-online.com/

**Journal Article – Retrieved from Library Database – with DOI**

Author last name, A. A. (Year). Title or article. *Title of Journal in Italics, Volume Number*

*in Italics* (Issue Number if Available), Pages. doi:

**Journal Article – Retrieved from Library Database – No DOI**

Author last name, A. A. (Year). Title or article. *Title of Journal in Italics, Volume Number*

*in Italics* (Issue Number if Available), Pages. Retrieved from URL of journal homepage

**Journal Article – Retrieved from Web**

Author last name, A. A. (Year). Title or article. *Title of Journal in Italics, Volume Number*

*in Italics* (Issue Number if Available), Pages. Retrieved from URL

**Website Article – Author Listed**

Author last name, A. A. (Year, Month Day). Title of article. *Title of Website in Italics*. Retrieved

from URL

**Website Article – No Author Listed**

Title or article. (Year). *Title of Website in Italics.* Retrieved from URL