Part 1c Group Presentation to Class (10 points)

Record a video with your group answering your assigned question(s). In your video, you will answer the assignment question in Part 1b along with the follow up questions listed below. In your video, you only need to answer your assigned question and the follow-up questions for your assigned question(s).

You do ***not*** need to prepare a PowerPoint and should instead use (1) your Word solution file and/or (2) MS Project in your recorded response. Your video response is limited to no more than 5 minutes and I’d everyone in the group must present.

***You will be viewing and evaluating all other group presentations next week. Instructions for evaluating presentations will be provided next week.***

See below for a list of assigned questions.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Question | Assigned Group |  | Question | Assigned Group |
| 1a. | Group 9 |  | 2a. | Group 2 |
| 1b. | Group 10 |  | 2b. | Group 3 |
| 1c. | Group 11 |  | 2c. | Group 3 |
| 1d. | Group 11 |  | 2d. | Group 4 |
| 1e. | Group 11 |  | 2e. | Group 4 |
| 1f. | Group 5 |  | 2f. | Group 4 |
| 1g. | Group 5 |  | 2g. | Group 6 |
| 1h. | Group 1 |  | 2h. | Group 6 |
|  |  |  | 2i. | Group 8 |
|  |  |  | 2j. | Group 7 |

Follow Up Presentation Questions (Only present answers to your assigned question)

1a. After answering question 1a, answer and present the following. Explain your Gantt chart in detail. What do the colors indicate? What does the length of each bar indicate? How do you add a summary task? What do the arrows indicate? How do you add and remove a column? Add a new column based on the “Work” field to your Gantt chart. What does the value in Work represent? How do you display detail for a task? How do you change the details for task?

1b. After answering question 1b, answer and present the following. How do you create a custom calendar and custom work schedule? Where do you set the project start date? How do you adjust the working hours for a project? Explain the concept of Early Start. What is the early start for the Memory Management task? Explain the concept of Late Finish. What is the late finish for Prototypes?

1c and 1d. After answering questions 1c and 1d, answer and present the following. What is a critical path? What is the critical path for this project? What happens to the project finish date if a task on the critical path is delayed? What happens to the project finish date if a task that is not on the critical path is delayed?

1e and 1f. After answering questions 1e and 1f, answer and present the following. If System Architecture is delayed by 5 days, what happens to the finish date of the project? If Kernel Specifications is delayed by 5 days, what happens to the finish date of the project? How many days can Integration first phase be delayed without delaying the finish date of the project?

**1g and h. After answering question 1g and 1h, answer and present the following. Will the total slack of your project in the summary task always be 0? What are the benefits of having few tasks on the critical path? Is it possible for every task in a project to be on the critical path? If so, what are the consequences for a project manager?**

<TBD>

**<Everyone>**

2a. After answering question 2a, answer and present the following. How do you add resources to a project? How do you set the hourly rate for a resource? What does it mean for a resource in the resource sheet to be assigned at 200%? Present 3 different ways to assign a resource to a task. What does it mean for a resource to a task at 200%? How many hours of total work does the project require?

2b and 2c. After answering questions 2b and 2c, answer and present the following. What does it mean for a resource to be over-allocated on a week by week basis? What does it mean for a resource to be over-allocated on a monthly basis? What does it mean for a resource to be over-allocated on a daily basis?

2d, 2e, and 2f. After answering question 2d, 2e, and 2f, answer and present the following. Explain the steps MS Project uses when leveling a project within slack on a week by week basis?

2g. and 2h. After answering questions 2g and 2h, answer and present the following. What does it mean that Leveling can adjust individual assignments on a task? What does it mean when leveling can create splits in remaining work? If either of these options are used, will it potentially help resolve additional over-allocations? Why or why not?

2i. After answering questions 2i, answer and present the following. If you hire one additional design resource from an external consulting firm and assign this resource to a task in the project, what happens to the cost of the project? Assume the external consultant has the same skill set as an existing design resource. Present an example of how to do this using MS Project.

2j. After answering questions 2i, answer and present the following. What is the cost of the project if the hourly rate for the Design resource is increased from $185 to $200? Assume everything else remains the same. List and describe the two primary ways to ***reduce*** the cost of a project.