

Assignment – 3

Question - 7

What is the earliest finish date for this project if it is scheduled to start on 3/22/21?

Answer:

Earliest finish date is 08/25/21 if project is scheduled to start on 03/22/21.

Question - 8

Can this project be completed 2 months after it starts? Explain why yes or no.

Answer:

No, it is not possible to complete this project in 2 months because only coding and testing phase are taking around 1.5 months to complete. Coding requires 28.79 and testing requires 15.28 days to complete, means total 44.07 days require. To complete the project in 2 months, remaining phases must complete within 15 days which is not feasible.

Question - 10

Submit your Comments regarding the start and completion dates and resources assignments for the two projects in a PDF document called Analysis.pdf.

Answer:

	Assignment#1 project	Assignment#2 project	Assignment#3 Project
Start Date	02/22/21	03/08/21	03/22/21
Completion Date	08/03/21	08/24/21	08/25/21
Duration	116.65 days	121.34 days	112.52 days
The assignment#3 project duration is very close to the previous 2 projects. So, the productivity and amount of work in assignment#3 project is very well estimated.			

1. Comment on WBS

- A “work break down structure” is a significant project deliverable that organizes team’s work into achievable section.
- It helps in the identification of all tasks necessary to complete the project and also provide detail explanation of the steps through which we can calculate the project schedule and cost.

2. Comment on Network Diagram

- A network diagram is a graphical representation of a project schedule.
- Through network diagram, we can establish the inner relationship between activities and task involved in the project through which we can determine the deadline.

3. Comment on Resource pool utilization

- Resource pool is a set of resources available for assignment to achieve the various tasks and activities. To complete the project in short duration, we should optimally use resources but at the same time over allocation of the resources are not allowed.

Assumptions regarding task predecessor:

1. Documented software development process updates only possible after completion of the project plan.
2. Process changes are performed by one test engineer, one requirement engineer, and one system engineer.
3. Lab and environment setup task is started as soon as completion of the requirement phase.
4. Software and tools installation task can be started only after the hardware setup.
5. Testing tools are installed after instalment of the development tools.
6. Execution of the test plan is started as soon as the completion of the coding phase and it also depend on writing test plan.
7. Documentation phase is started as soon as completion of the requirement phase and testing phase.

Assumptions in task identification, productivity calculation and work calculation:

1. In requirement phase, productivity and work for “write use case model” task is estimated based on the project 1.
2. In Analysis phase, productivity and work are estimated based on project 1.
3. In requirement phase, productivity to make use cases from project 1 is also take into consideration to calculate duration for “Preparation for review” and “Review meeting” tasks.
4. To estimate the work and productivity for the design phase, I merge two phases “Analysis/Design documents” and “Data model” phase in project 2.
5. In design phase, The amount of work in “write data model” task is determine based on design document pages.