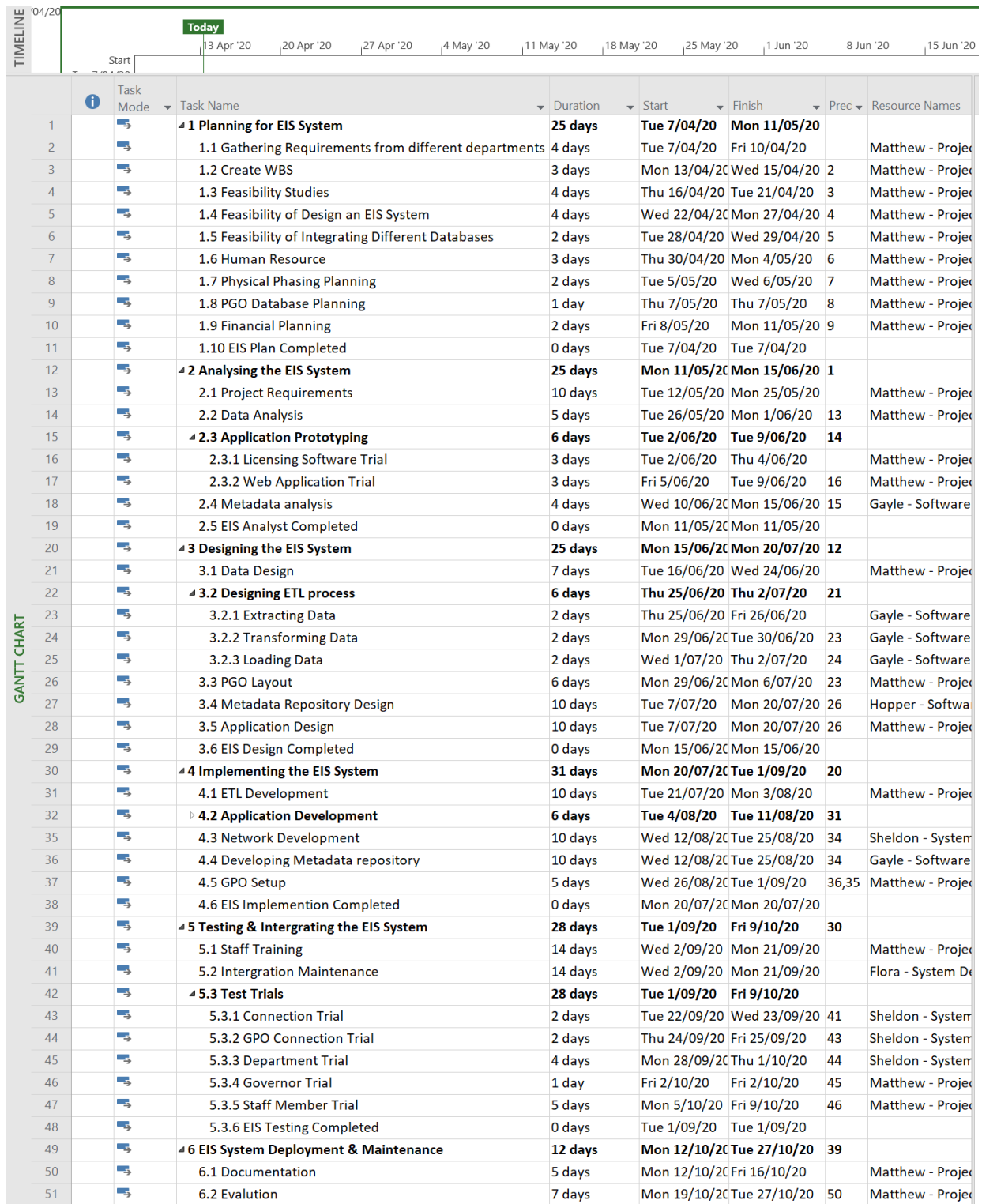


Assignment Algorithm - Question 1





[illegible]

PROJECT OVERVIEW

TUE 7/04/20 - TUE 27/10/20



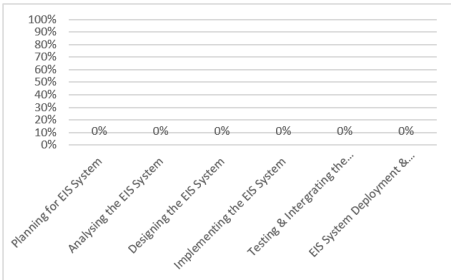
MILESTONES DUE

Milestones that are coming soon.

Name	Finish
EIS Plan Completed	Tue 7/04/20
EIS Analyst Completed	Mon 11/05/20
EIS Design Completed	Mon 15/06/20
EIS Implementation Completed	Mon 20/07/20
EIS Testing Completed	Tue 1/09/20

% COMPLETE

Status for all top-level tasks. To see the status for subtasks, click on the chart and update the outline level in the Field List.



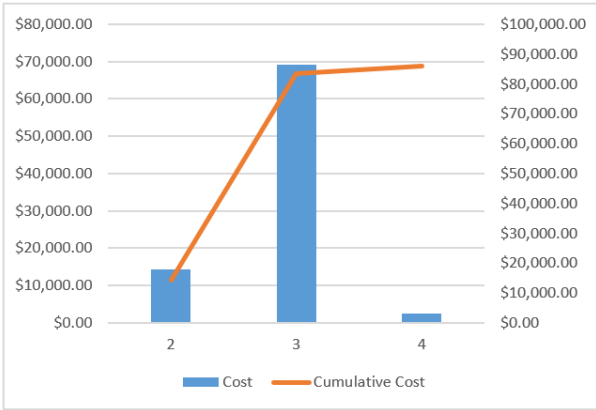
LATE TASKS

Tasks that are past due.

Name	Start	Finish	Duration	% Complete	Resource Names
Gathering Requirements from different departments	Tue 7/04/20	Fri 10/04/20	4 days	0%	Matthew - Project Manager, Sheldon - System Developer, Flora - System Developer, Lionel - Database Administrator, Marina - Database Administrator, Annalisa - Staff Administrator
EIS Plan Completed	Tue 7/04/20	Tue 7/04/20	0 days	0%	

CASH FLOW

Actual Cost	Baseline Cost	Remaining Cost	Cost Variance
\$0.00	\$0.00	\$85,942.40	\$85,942.40



The chart shows the project's cumulative cost and the cost per quarter. To see the costs for a different time period, select the Edit option from the Field List.

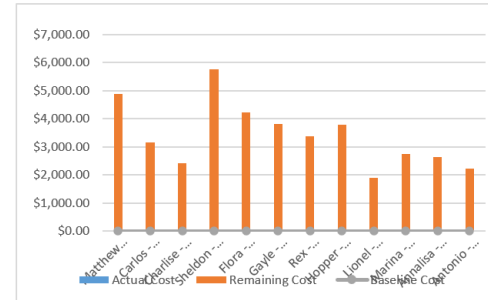
The table below shows cost information for all top-level tasks. To see cost stats for all tasks, set the Outline Level in the Field List.

Name	Remaining Cost	Actual Cost	Cost	ACWP	BCWP	BCWS
Planning for EIS System	\$6,375.20	\$0.00	\$6,375.20	\$0.00	\$0.00	\$0.00
Analysing the EIS System	\$5,365.60	\$0.00	\$5,365.60	\$0.00	\$0.00	\$0.00
Designing the EIS System	\$6,689.60	\$0.00	\$6,689.60	\$0.00	\$0.00	\$0.00
Implementing the EIS System	\$56,921.60	\$0.00	\$56,921.60	\$0.00	\$0.00	\$0.00
Testing & Intergrating the EIS System	\$10,110.40	\$0.00	\$10,110.40	\$0.00	\$0.00	\$0.00
EIS System Deployment & Maintenance	\$480.00	\$0.00	\$480.00	\$0.00	\$0.00	\$0.00

RESOURCE COST OVERVIEW

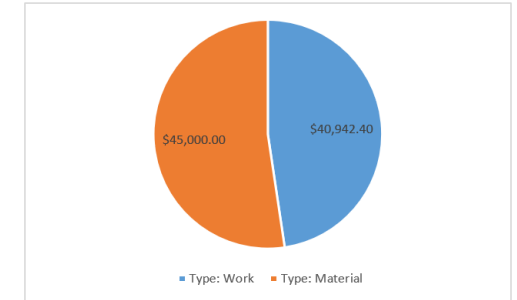
COST STATUS

Cost status for work resources.



COST DISTRIBUTION

How costs are spread out amongst different resource types.



COST DETAILS

Cost details for all work resources.

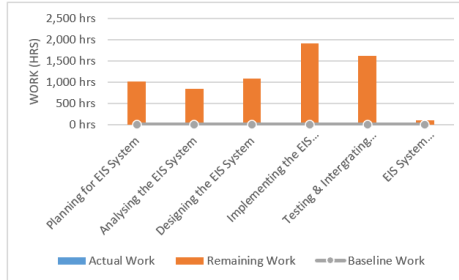
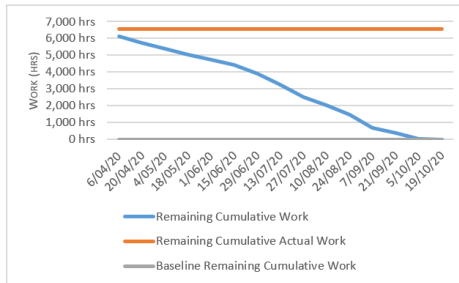
Name	Actual Work	Actual Cost	Standard Rate
Matthew - Project Manager	0 hrs	\$0.00	\$5.00/hr
Carlos - Business Analyst	0 hrs	\$0.00	\$7.60/hr
Charlise - Business Analyst	0 hrs	\$0.00	\$7.20/hr
Sheldon - System Developer	0 hrs	\$0.00	\$7.00/hr
Flora - System Developer	0 hrs	\$0.00	\$6.60/hr
Gayle - Software Engineer	0 hrs	\$0.00	\$6.10/hr
Rex - Software Engineer	0 hrs	\$0.00	\$6.40/hr
Hopper - Software Engineer	0 hrs	\$0.00	\$6.40/hr
Lionel - Database Administrator	0 hrs	\$0.00	\$6.10/hr
Marina - Database Administrator	0 hrs	\$0.00	\$5.90/hr
Annalisa - Staff Administrator	0 hrs	\$0.00	\$5.50/hr
Antonio - Staff Administrator	0 hrs	\$0.00	\$5.70/hr

WORK BURNDOWN

Shows how much work you have completed and how much you have left. If the remaining cumulative work line is steeper, then the project may be late.

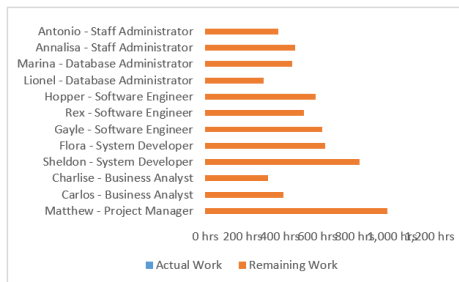
Is your baseline work zero?

[Try setting a baseline](#)



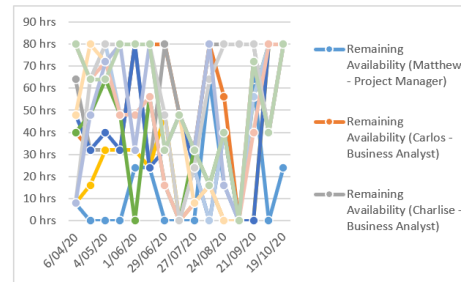
WORK STATS

Shows work stats for all top level tasks.



RESOURCE STATS

Shows work stats for all your resources.

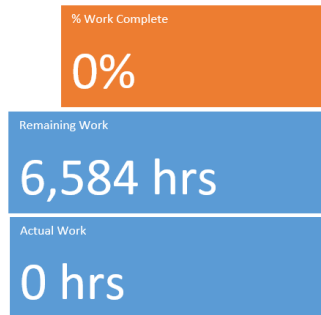


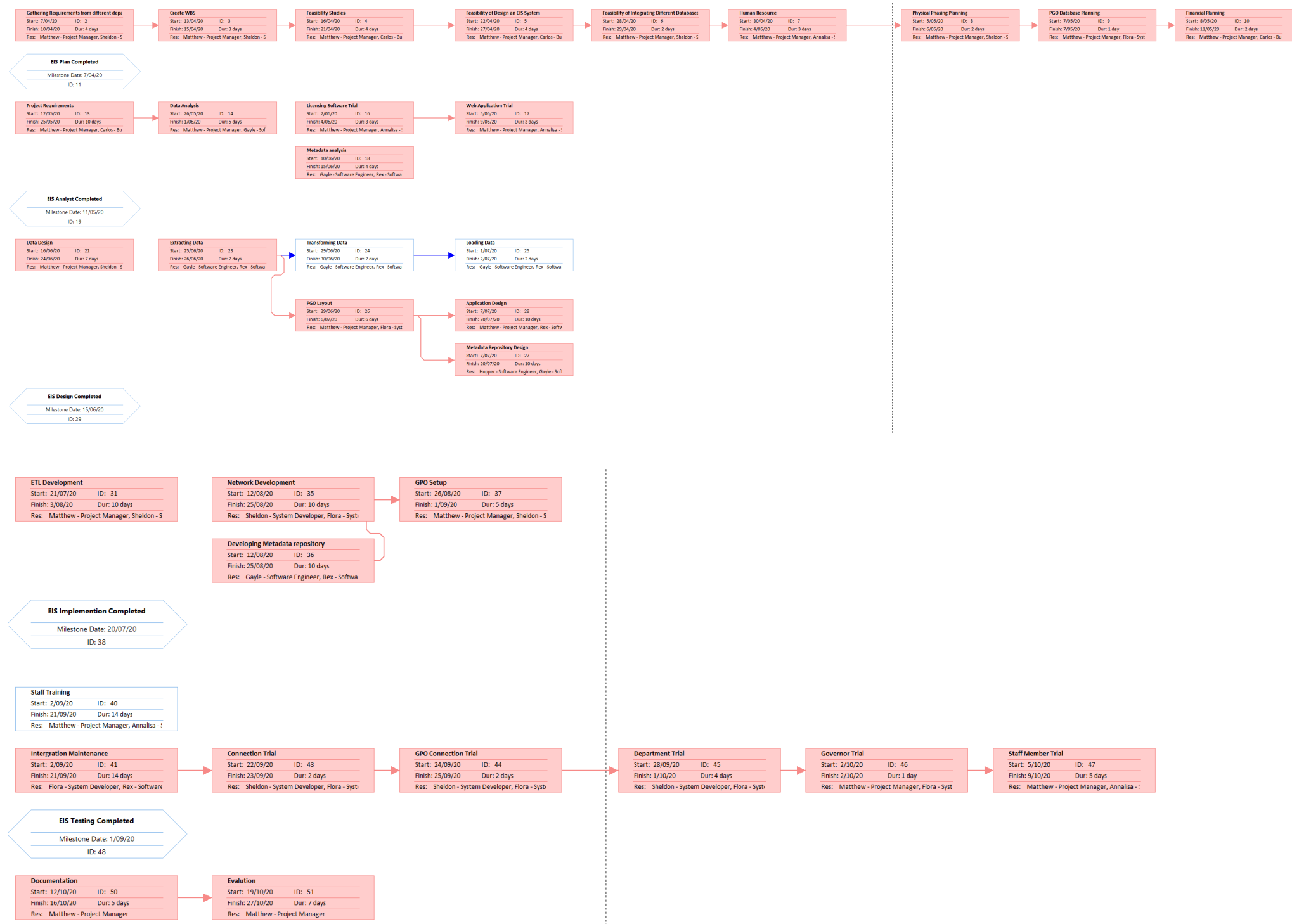
REMAINING AVAILABILITY

Shows remaining availability for all work resources.

WORK OVERVIEW

Tue 7/04/20 - Tue 27/10/20

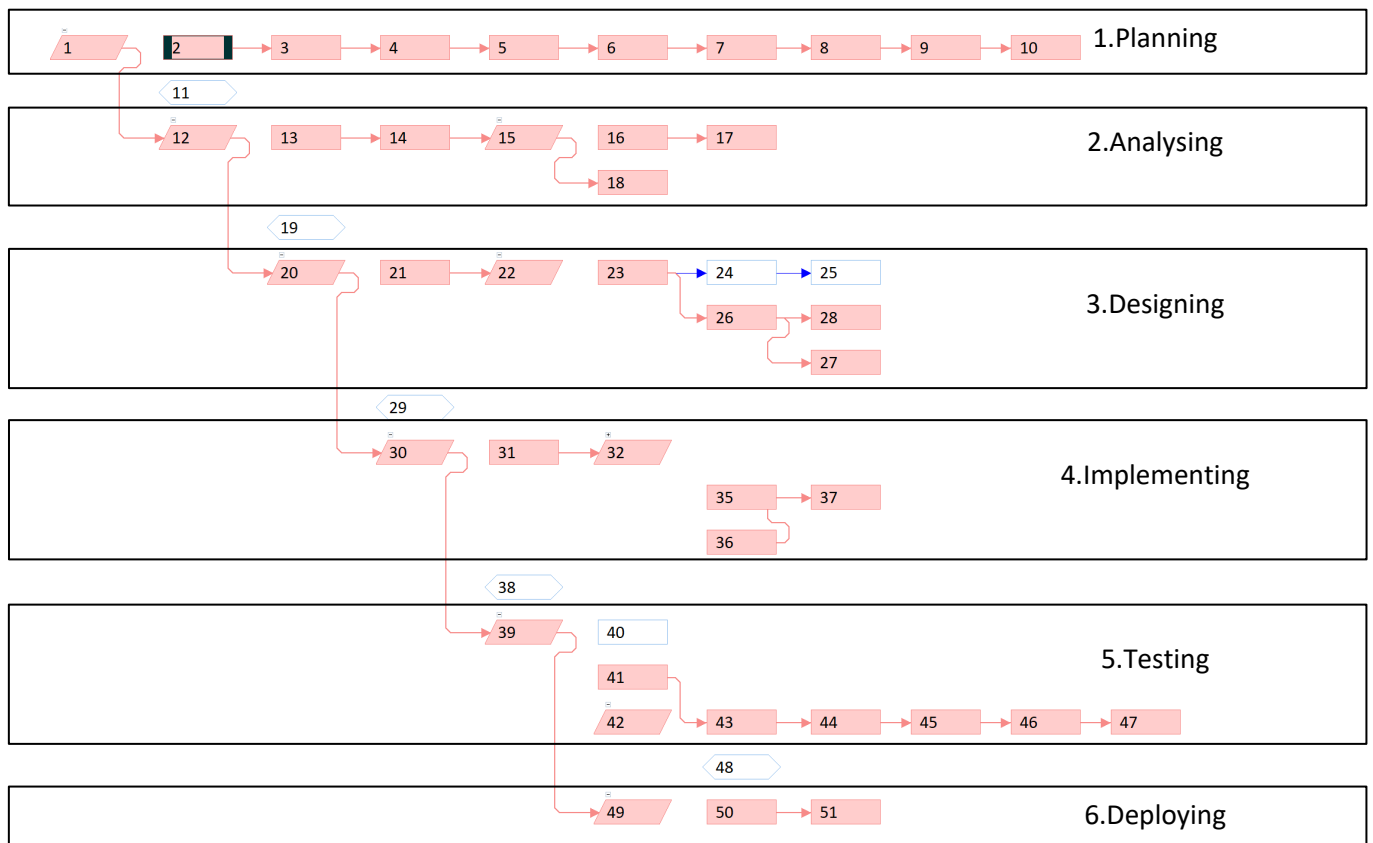




Assignment Algorithm - Question 2

How long will your project take?

The duration of the EIS project will take about 146 days (excluding weekends) or 6 months with each month broken up into a stage of the project. The Project will commenced on the 7th of April 2020 till the 27th of October. April – Planning, May – Analysing, June – Designing, July – Implementing, September – Testing and October – Deployment.



How have you calculated this?

I've calculated and planned this project by analysing what was required for the governor's EIS. I compared the governor's EIS plan to other plans that were similar and see how much time that stage and task needs to ensure proper fulfilment. With the amount of people hired to work on the EIS is analysed to ensure a proper critical path is initialised. When constructing an EIS, the waterfall approach is the best way to keep the project on time to the due date.

In the Planning Phrase (Task 1 – 10)

The PM has to attend to all tasks in order to get the project up and going which vital when setting the foundations of the EIS. Since the PM cannot be at two places at a time, the traditional waterfall method was used, same as goes most of the hired workers as they're expected to follow each criteria of the system before proceeding to analysis.

In the Analysing Phrase (Task 12 – 18)

Throughout the analyst phrase, it is required to stick to the traditional waterfall method due to PM's lack of availability between tasks, although not many staff member are hired during this stage since it requires the head member of each department to analytically research the system. The application and software prototype is introduced here for the governor to try out before the system being built.

In the Designing Phrase (Task 20 – 27)

The data design task is the beginning task before it separates the staff members into their teams. As the PM isn't used much in this phrase as it requires more labour work from the software engineer staff members as they require to sort out the metadata and the ETL process.

In the Implementing Phrase (Task 30 – 36)

The construction stage is where the system gets physically built which requires the longest amount of days of the project. I divided the tasks even with the right amount of time in order to keep in line with the project schedule smoothly without any interruptions.

In the Testing Phrase (Task 39 – 47)

During the testing phrase, every team member is involved to ensure that the system is up and running before deployment by running a series of trials for different group work groups. Before the trials begin, staff training is required in order to understand the system while in the meantime, the system is undergoing an integration maintenance to ensure its functionality is work between each department.

In the Deploying Phrase (Task 49 – 51)

The final stage to account the overview successes/failures of the project through the documentation and evaluation process. All costs of labour/hardware/software and overtime of working shifts will be documented to wrap up the EIS project with a well-formed conclusion.

Costings of the EIS

Staff Wages

When it came to the costings, I did some background research of the median payrate of the roles of the workers that we're used to build the EIS under the Philippines' country conditions. Country conditions that involves their currency, Pesos (will be exchanged and paid in USD), their country background and their job role that determines their pay. The average employee earns around ₱300 pesos (\$6 USD) an hour which does not create an impact on the governor's budget.

Hardware

When it comes to hardware, it is expected to be expensive due to being in the Philippines as it requires the goods to be imported such as the networking switches, printers and a computer which can cause a hefty cost to the governor's budget.

Software

Software is also expensive when it comes to building the EIS system with a customised web application and for the governor's office to use and receive reports on, however free software like MySQL, Apache, Linux and PHP (LAMP) is for free which can help the governor reduce its budget without any heavy cost in software use.

Timeframes Staff Allocation

The normal timeframe of each work session is 9am to 5pm in the afternoon with a 30 min lunch break in-between which gives staff members more of a healthy balance when it comes building the EIS system. Staff members do not operate on the EIS project over the weekends. There may be a possibility of over-time when it comes to working on the EIS in order to keep up to schedule.

Staff Allocation

When it comes to staff allocation, I ensure that each staff department has a head member that leads the group when something goes wrong when the project manager is not in attendance, However head members need to complete to extra tasks in order to have a greater understanding in the system and what their tasks help towards the EIS's end goal. Mainly when assigning staff to tasks, I ensure that each staff member gets equal amount of work and try and balance between each staff member at different sets of tasks.

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