

BSC203 Project Management Portfolio

Part 2

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Table of content

Tutorial 6- Activity 1 P3-4

Tutorial 6- Activity 2 P4-5

Tutorial 8- Activity 3 P5-7

Tutorial 9- Activity 3 P8-9

Tutorial 6- Activity 1

1a)

Critical path of a project is the sequence of dependent tasks which have the largest total of most likely durations. Tasks on critical path can't be delayed without delaying the whole project schedule.

The tasks in the critical path for this project include:

- Search Google Scholar for relevant Material
- Retrieve papers
- Use evaluation guides to determine if the article is relevant
- Use evaluation guides to determine quality of research
- Construct a bibliography
- Compile notes on content
- Final evaluation of content
- Construct a Concept Matrix of collected Articles
- Draft the Literature Review
- Proof read the Literature Review
- Submit the Final Report

1b)

- Search Library Database for relevant Material
- Assess the credibility of the each source

1c)

Slack time for Search Library Database for relevant Material:

1 day

Assess the credibility of the each source:

3 days

The slack time provides extra days to complete non-critical task without delaying the completion date of the entire project

2a)

Yes, it does help us understand the duration of the project. The early start, late start, late finish, early finish, and slack time provides us some flexibility when completing the project so we don't have to delay the completion of the entire project

3a)

Dependencies are shown with arrows. The task are represented with a rectangle and the critical task and represented by a parallelogram. Provides us with a visual representation of what task are linked with what and the status of the tasks.

Tutorial 6- Activity 2

1a)

Cause an affect diagram is used to provide a pictorial display that shows the cause of problems and the effects [1]. The cause and effect diagram can be used for project management to identify any problems that arise [2]. This can be used for the project monitoring and controlling process group [2]. The problem statement/justification found in the project scope is placed on the head of the fish [2].

Control chart is a chart that highlights the process change over a duration [3]. We enter data and find out how the data is skewed. We set upper limit and lower limits and it helps highlight the variation caused by project monitoring and controlling process and will indicate whether there is a change to deadlines [4].

A pareto chart contains both a line graph and a bar graph [5]. Having both of the two highlights any changes that may arise in the graph. The changes often indicate when a problem has occurred [5]. Once identified we are able figure out the cause of the problem and resolve them. The graph also shows the frequency at which errors arise [5]. This information can be used to help shape our project monitoring and controlling process group.

References-

[1] "Cause and Effect Diagram - Clinical Excellence Commission", *Cec.health.nsw.gov.au*, 2020. [Online]. Available: <http://cec.health.nsw.gov.au/Quality-Improvement-Academy/quality-improvement-tools/cause-and-effect-diagrams>. [Accessed: 18- May- 2020].

[2]"Fishbone Diagram - Project Management Knowledge", *Project-management-knowledge.com*, 2020. [Online]. Available: <https://project-management-knowledge.com/definitions/f/fishbone-diagram/>. [Accessed: 18- May- 2020].

[3]"Control Chart - Statistical Process Control Charts | ASQ", *Asq.org*, 2020. [Online]. Available: <https://asq.org/quality-resources/control-chart>. [Accessed: 18- May- 2020].

[4]"Control Chart: A Key Tool for Ensuring Quality and Minimizing Variation | Lucidchart Blog", *Lucidchart.com*, 2020. [Online]. Available: <https://www.lucidchart.com/blog/how-to-make-a-control-chart>. [Accessed: 18- May- 2020].

[5]"When to Use a Pareto Chart - Examples and Guidelines", *Brighthubpm.com*, 2020. [Online]. Available: <https://www.brighthubpm.com/project-planning/57119-when-do-you-need-to-use-a-pareto-chart/>. [Accessed: 18- May- 2020].

Tutorial 8- Activity 3

1a)

Projected date for submitting the final report is: 29/04/16

2a)

The search Google Scholar task is a critical task meaning that any delays to the critical task results in further delays to the tasks that follow, therefore delaying the entire project schedule.

3a)

The search Google Scholar task is a critical task meaning that any delays to the critical task results in further delays to the tasks that follow, therefore delaying the entire project schedule.

4a)

Yes, the actual start date for the “submit the final report task” will be delayed by an additional day due to a delay to the critical path. As a result, the project finish date will also be delayed by an additional day.

5a)

An additional day to assess the credibility of each sources will not affect the tasks that follow and does not influence the project submission date for the final report. Firstly, the assess the credibility of each source task is not a critical task. Secondly, the task has enough allocated slack time which allows for the task to be delayed without delaying subsequent tasks.

6a)

Content evaluation is only 15%

7a)

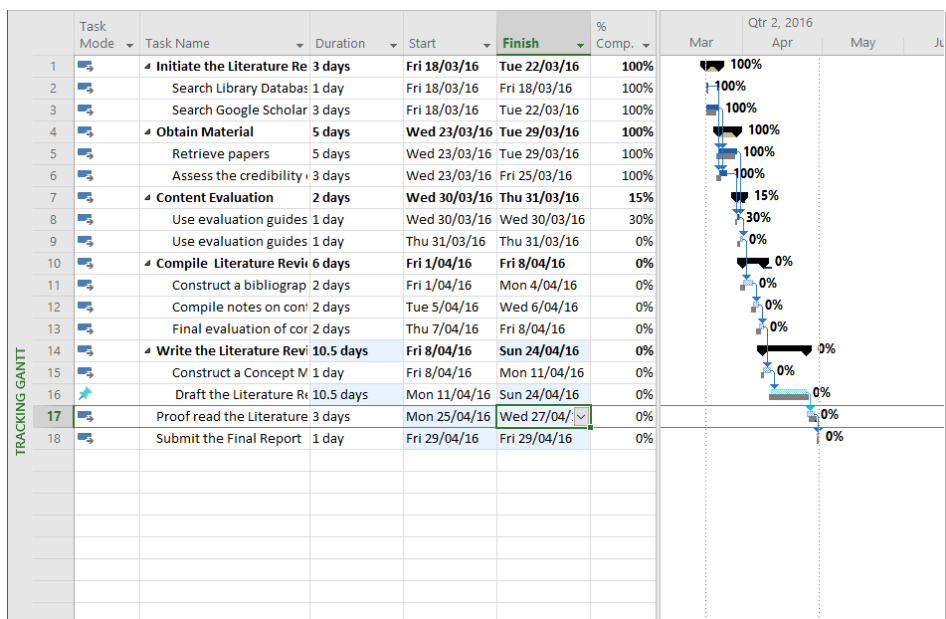
The completed task are identified with a cross.

8a)

Original completion date was 2/05/2016 after we implemented updated predecessor the completion date was still 2/05/2016. So no earlier start did not impact the completion of the project

9a)

I was able to bring the project back on track by shortening the finish date of a critical task. This allowed subsequently put the project back on track



1a)

The assignment for ICT284 required students to work in pairs to create a website which could execute requested functions. The functions requested included allowing the website to display items for sale and allowing customers to add the items they wish to purchase in their cart. Once all the items were added to the cart the website would then have to calculate the total price of cart. After the website was completed the students had to write a report on what they did.

2a)

The assignment was given to us months in advance; so we had a substantial amount of time in our hands. The project was submitted on time. However our completed project did not meet our intended project scope. We simply underestimated the complexity of our project scope thus causing us to extend the duration required to complete different tasks.

3a)

Our ability to collaborate with each other was highlighted in this project. We used different tools to help us better collaborate with each other. For example, we used google docx to complete the report. The tool allowed us to work on different sections of the report without having to combine it all at the end. Another program we used to help us collaborate more effectively was discord. Discord allowed for instant communications, which was helpful.

4a)

Firstly, the intended schedule for completing different tasks in our project was altered a fair amount of times. The tasks were more difficult than what we assumed. For example, the task of displaying the items on our website was assumed to take 5 days to complete. However, due to programming errors that arose, additional days had to be allocated to the tasks. Therefore, the project schedule we planned in the beginning had to be rewritten.

5a)

1. How to resolve conflicts

In our assignment, we had a situation where we disagreed on how to best solve a task. The task we had to complete was adding a shopping cart to our website. My solution to the task was to create the shopping cart from scratch. My partner's solution was to use an external plugin instead. Our conflicting solutions led to a long headed argument. In the end we decided to meet half way. Our shopping cart was made with fragments of other people's code. Due to this experience, I learnt to compromise more in order to resolve conflicts faster.

2. Delegate tasks more effectively

For our project we delegated the tasks randomly. This was not the most effective method because the tasks randomly delegated to us were tasks we struggled with. As a result, our project took more time to complete. If we delegated the tasks according to our strengths we would have saved time.

6a)

Delegate task more effectively: I will try to delegate tasks to people that can best do the task. Failure to do so will result in time being spent unnecessarily

Schedule task in advance: The previous projects highlighted the need to schedule in advance. In the website assignment additional time was required to finish the report. Had the schedule been completed much earlier, more time could be allocated to finishing the report without affecting the time allocated for the other tasks.