



UNIVERSITAT POLITÈCNICA DE CATALUNYA
BARCELONATECH

Escola Superior d'Enginyeries Industrial,
Aeroespacial i Audiovisual de Terrassa

Cloud Computing & Servitization: A Case Study and Future Trends

Document:

Budget

Author:

Samoussa Fofana

AL THESIS

Director /Co-director:

Forcada Matheu Nuria

Pezzotta Giuditta

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Objectif

The objective of this document is to define the macro activities that have been done in performing the thesis by providing an understanding of the time frame dedicated to each component of the thesis.

Furthermore, the document will provide a Gantt chart of the different macro activities, a table defining in which period the work has been done on the different sections is provided, and finally, an estimation of the total cost is performed.

1. Tasks

The activities performed from 2/05/2022 to 12/01/2023 are the following ones:

- Milestone Internship

This task represents the time the author worked at the company provided in the case study. The task lasted 37 weeks, in which the author used to work 20 hours per week, which gave us a total of 740 hours. Only some time spent in the company was dedicated to collecting information related to the topic of the thesis; around 120 hours were spent on collecting XProtect information..

- Brainstorming

In this task, the author gets familiar with the technology to understand the current scenario and increase knowledge of the cloud. The total amount of time spent is 75 hours.

- Aim of the thesis

In this task, the author, with the supervisor's help, defines the thesis's aim, and the total amount of hours spent is 40.

- Methodology

Activity in which it has been developed and defined the structure and content of the master thesis, the total amount of hours spent is 120.

- Cloud computing and digital servitization

Research of information and writing of the section, the total amount of hours spent is 50.

- Literature review

Research and selection of relevant articles to understand the current un future trends of the technology, and extrapolation of relevant information, the total amount of hours spent is 100.

- Market research

In this task, the author with the help of the supervisor defines the aim of the task, the total amount of hours spend is 40 hours.



- Case study
A task in which the author developed the section about the proposed firm, Milestone Systems, the total amount of hours spent in total is 65
- Opportunities for other companies
Definition of opportunities for other companies, the total amount of hours spent is 40
- Future trends
A task in which the author collects information and writes the section.
- Environmental Impact
Activity in which it has been defined how the cloud technology can contribute to the 17 SDG, the total amount of hours spent is 25
- Conclusión
Discussion and conclusion of the master thesis, the total amount of hours spent is 40
- Budget
For a task in which the current document was elaborated, the total amount of time needed was of 18 hours.



2. Schedule and Gantt Chart

Task Name	Duration	Start	Finish
Internship at Milestone	740 hrs	Mon 02/05/22	Thu 12/01/23
Brainstorming	75 hrs	Wed 01/06/22	Wed 22/06/22
Aim of the thesis	40 hrs	Wed 08/06/22	Wed 22/06/22
Definition of the Methodology	120 hrs	Fri 15/07/22	Thu 01/09/22
Cloud Computing and Digital Servitization	50 hrs	Mon 12/09/22	Sat 24/09/22
Literature review	100 hrs	Tue 20/09/22	Thu 20/10/22
Market Research	75 hrs	Mon 24/10/22	Tue 15/11/22
Case Study	65 hrs	Tue 15/11/22	Thu 01/12/22
Opportunities for others company	40 hrs	Thu 01/12/22	Sat 10/12/22
Future Trends	50 hrs	Sat 10/12/22	Fri 23/12/22
Environmental Impact	25 hrs	Mon 26/12/22	Mon 02/01/23
Conclusion	40 hrs	Mon 02/01/23	Mon 09/01/23
Budget	18 hrs	Tue 10/01/23	Wed 12/01/23

Table 1. Schedule for the master thesis development
(Source: Own elaboration)

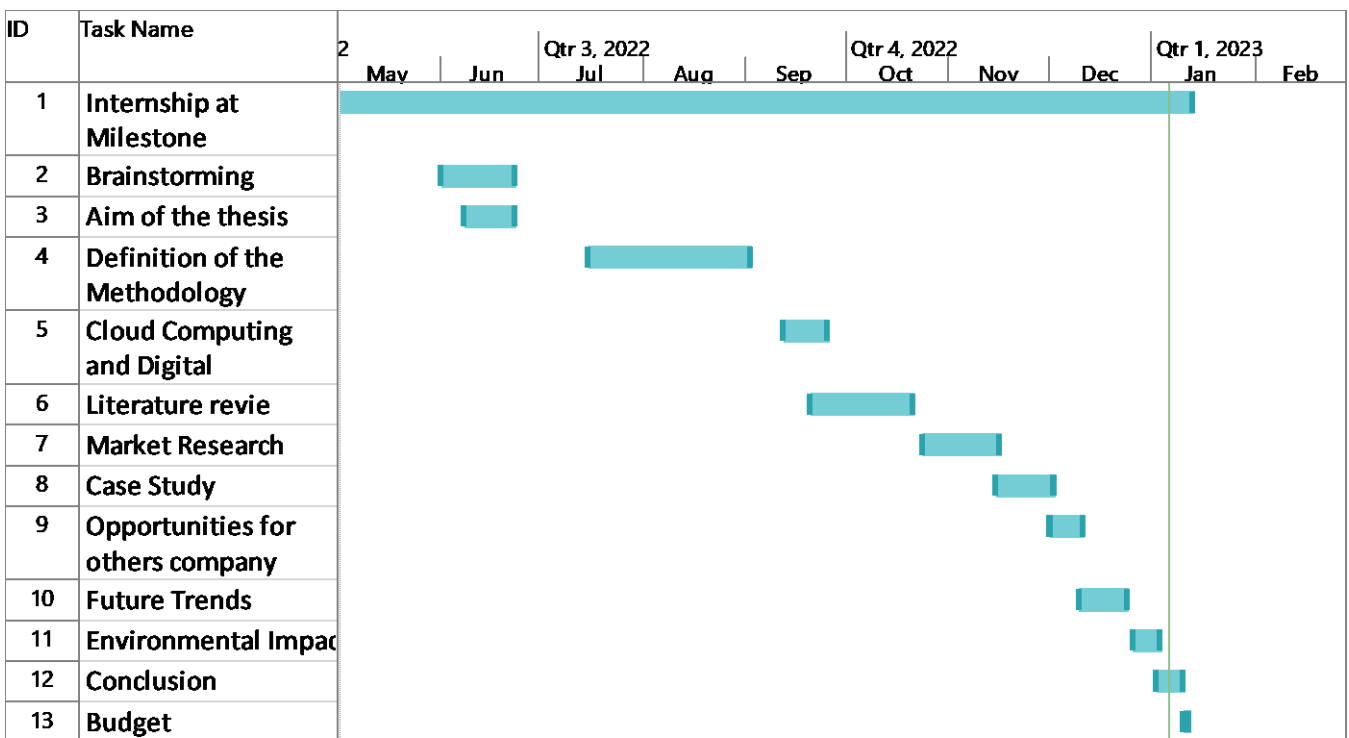


Figure 1. Gantt Schedule for the master thesis development
(Source: Own elaboration, using Microsoft Project)



3. Costs

The hourly cost is 40 €/h.

Source	Duration	Hourly cost	Cost
Collect info at Milestone	120 hrs	40 €/h	4.800,00 €
Brainstorming	75 hrs	40 €/h	3.000,00 €
Aim of the thesis	40 hrs	40 €/h	1.600,00 €
Definition of the Methodology	120 hrs	40 €/h	4.800,00 €
Cloud Computing and Digital Servitization	50 hrs	40 €/h	2.000,00 €
Literature review	100 hrs	40 €/h	4.000,00 €
Market Research	75 hrs	40 €/h	3.000,00 €
Case Study	65 hrs	40 €/h	2.600,00 €
Opportunities for others company	40 hrs	40 €/h	1.600,00 €
Future Trends	50 hrs	40 €/h	2.000,00 €
Environmental Impact	25 hrs	40 €/h	1.000,00 €
Conclusion	40 hrs	40 €/h	1.600,00 €
Budget	18 hrs	40 €/h	720,00 €
Microsoft Project 2019 Application			620,00 €
TOTAL	818 hrs		33.340,00 €

Table 2. Cost of the tasks for the master thesis development
(Source: Own elaboration)

The total amount of hours spent in the development of the tesis is 818 hrs, and the total cost is 33.340,00 €.