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Table of Contents

Introduction.....	3
Discussion- Project Plan	3
Project background	3
Project budget	4
Project schedule	5
Risk analysis for Google’s new headquarters at King's Cross	8
Stakeholder analysis for project.....	11
Quality aspects	13
Work breakdown structure	15
Gantt chart.....	16
Conclusion	16
References.....	18

Introduction

The Project management plays a very crucial role in achieving project success. Google is aiming to inaugurate its new headquarters at King's Cross London by next year. The project focuses on utilising construction over the large area along side of the King's cross station. The project is going to be carried out over 60,400 m² of space (Gillespies 2023). These is expected to offer with an accommodation to 4500 people across 11 stories. The building will be owned and designed by Google outside United States. The new construction project is going to have 6 Pancras square. The new building is developed from ground up and is going to be contributing towards the Knowledge Quarter (Gillespies 2023). In today's knowledge-based economy, Google's new project is going to act as a hub for knowledge.

In this essay, the objective is to analyse the current progress associated with the Google's headquarter project. The paper aims at discussing the core elements associated with the project including budget, time, risks factors and the quality stakeholders. The evaluation of Google headquarters project will provide with the ability to identify whether the project is able to achieve success or not.

Discussion- Project Plan

Project background

Google Headquarters' King's Cross London project is aimed at creating an expansive rooftop garden. The project aims to provide space for 4,500 people. The new building will combine new infrastructure and is expected to offer a huge center for the knowledge-based economy. The roof is going to be covered with his 300 m-long gardens (Zerjav, McArthur and Edkins 2021). These are further divided into different zones that will include open lawns, wild Meadow, large trees, and wood. The design of Google headquarters includes a rooftop that will be able to provide space for Google. This project is going to be the first fully designed

and owned building by google. The project is being carried out in the United States for the purpose of offering a mixed office space. The project is considered to be one of the most crucial projects that Google is going to carry out. The project aims to address all corporate innovation and focuses on utilizing sustainability standards for meeting a cost-effective approach. The knowledge-based economy is the main aim for the project (Robin 2022). The need to have any realistic analysis of the way project is being going to be carried out becomes therefore crucial. The use of different project management helps in defining the project factors and the way resources are being aligned.

Project budget

The project budget is identified as one of the most important parts of project execution. The need to estimate the cost associated with each task becomes very crucial (Liang 2019). These provide the ability to identify the direct as well as the indirect costs of those who will be involved at the time of project execution (Patil 2019). The project of Google's new headquarters at King's Cross is considered to be one of the most important project that is being carried out by Google. This is the first project that is taking place in the United Kingdom. Hence, the need to have a proper understanding of the cost of flow becomes essential. The different ways through which the cost is going to be allocated are discussed below:

Requirements	Estimated cost for project
Personnel cost	500,000,000
Infrastructure development cost	100,000,000
Sustainability standards implementation	40,000,000

cost	
Construction and development	30,000,000
Contingency cost	50,000,000
Additional resources	190,000,000
Raw materials cost	900,00,000
Total	1,000,000,000

From the above analysis of the project, it can be stated that the estimated cost for carrying out the Google King cross headquarters project is £ 1,000,000,000. The reason behind considering the project to be successful is its ability to meet realistic expectations. The project has successfully incorporated strategies that can help in understanding the knowledge-based economy. The project will be able to deliver a huge impact on the economy of the business with its successful implementation. The need to have a realistic analysis of the project budget thus becomes crucial.

Project schedule

The use of a project schedule approach allows the ability to contribute towards the success of a project. These ensure that the allocation of time is being done effectively. These also provide the ability to ensure that resources are utilized effectively so that project progress can be achieved in time. Google's new headquarters at King's Cross project is expected to be completed by 2024 (Gillespies 2023). It is expected to offer the ability to manage knowledge-based growth. This is the first project that is being carried out by Google Place outside the United States. The construction of the building also involves the use of Google healthy

materials program. The BDP is a designed Delivery architecture for the project (Stanitsas, Kirytopoulos and Leopoulos 2021). The new building is going to be developed from the ground up and is going to offer different zones for the employees. The facilities that are going to be delivered with the successful completion of the project are considered to be very significant. The realistic establishment of the project schedule has helped in ensuring that the project is on track and is capable of achieving its success.

Task Name	Duration	Start	Finish	Predecessors
Google Headquarters Project in London, UK	642 days	Mon 03-01-22	Tue 18-06-24	
Phase 1: Initiation	642 days	Mon 03-01-22	Tue 18-06-24	
Project defining	8 days	Mon 03-01-22	Wed 12-01-22	
Aims identification	9 days	Thu 13-01-22	Tue 25-01-22	3
Stakeholder analysis	7 days	Wed 26-01-22	Thu 03-02-22	4
Scope defining	8 days	Fri 04-02-22	Tue 15-02-22	5
Budget analysis	12 days	Wed 16-02-22	Thu 03-03-22	6
Blueprint development	15 days	Fri 04-03-22	Thu 24-03-22	7
Phase 2: Planning	583 days	Fri 25-03-22	Tue 18-06-24	
Project planning	5 days	Fri 25-03-22	Thu 31-03-22	8
Budget development	8 days	Fri 01-04-22	Tue 12-04-22	10
Architecture planning	15 days	Wed 13-04-22	Tue 03-05-22	11
designing	21 days	Wed 04-05-22	Wed 01-06-22	12
Allocating funds	25 days	Thu 02-06-22	Wed 06-07-22	13
Infrastructure analysis	30 days	Thu 07-07-22	Wed 17-08-22	14

Sustainability standards implementation	40 days	Thu 18-08-22	Wed 12-10-22	15
Phase 3: Execution	273 days	Thu 13-10-22	Mon 30-10-23	
Construction of the site	50 days	Thu 13-10-22	Wed 21-12-22	16
Implementing design	54 days	Thu 22-12-22	Tue 07-03-23	18
Incorporating infrastructure	42 days	Wed 08-03-23	Thu 04-05-23	19
Sustainability standards implementation	35 days	Fri 05-05-23	Thu 22-06-23	20
Facilities integration	45 days	Fri 05-05-23	Thu 06-07-23	20
Allocating resources	82 days	Fri 07-07-23	Mon 30-10-23	21,22
Phase 4: Monitoring	131 days	Tue 31-10-23	Tue 30-04-24	
Monitoring progress	25 days	Tue 31-10-23	Mon 04-12-23	23
Reporting project findings	30 days	Tue 05-12-23	Mon 15-01-24	25
Budget handling	25 days	Tue 16-01-24	Mon 19-02-24	26
Conducting quality test	26 days	Tue 16-01-24	Tue 20-02-24	26
Mitigating risks	40 days	Tue 20-02-24	Mon 15-04-24	27
Documentation	50 days	Wed 21-02-24	Tue 30-04-24	28,27
Phase 5: Closure	46 days	Tue 16-04-24	Tue 18-06-24	
Inspection	20 days	Tue 16-04-24	Mon 13-05-24	29
Handover of project	25 days	Wed 01-05-24	Tue 04-06-24	30
Obtaining feedback	8 days	Wed 05-06-24	Fri 14-06-24	32,33
Sign off	2 days	Mon 17-06-24	Tue 18-06-24	34

Risk analysis for Google's new headquarters at King's Cross

The risk management process in the project is considered the critical component. These allow the ability to identify, assess, and mitigate the risk those has the potential to influence the success of a project (Al Mhdawi, Motawa and Rasheed 2020). In order to successfully carry out the project, it is very important to identify different types of risk that may arrive at the time of project execution (Goel, Ganesh and Kaur 2020). Google's new headquarters at King's Cross project has also conducted risk analysis for identifying the possible those are likely to be encountered at the time of execution. The different phases associated with risk management are as follows:

- ***Risk identification:*** The risk identification stage aims to identify the potential risks that can influence project performance. In order to identify risk, different ways are used, including documentation review, expert interviews, and brainstorming sessions (Georgiadou 2019).
- ***Risk assessment:*** The need to evaluate the risk based on its likelihood and impact becomes very crucial. Likelihood and impact are going to be evaluated using a qualitative analysis (George 2020). These will provide an understanding of the possible risks that may influence the project progress of the headquarters project.
- ***Risk response:*** After successfully identifying the different risks impact, the need to develop risk strategies becomes very important. These are carried out by identifying different risk communication strategies (de Araújo Lima, Crema and Verbano 2020).
- ***Risk monitoring and control:*** The need to review the identified risks and update the status becomes very important. These help in assessing the risk associated with the project's progress (Willumsen et al. 2019).

The risk register below was developed to identify the key risks that can influence the project's progress. The possible risks associated with Google Headquarters Project in London, UK are as follows:

Risk ID	Risk description	Impact	Likelihood	Priority	Mitigation
1	Delay in construction	5	3	15	Avoid: The need for the project manager and contractor to carry out site analysis is very important before proceeding with the project. In addition to these, the need to have proper control over the environmental factor becomes crucial for avoiding chances of project delays.
2	Change in requirement	5	2	10	Mitigate: It is important for a project manager to keep the requirements updated with all the key stakeholders. The possible changes should be communicated with each stakeholder to minimise the chances of delay in the project

					process.
3	Scope creep	4	2	8	<i>Avoid:</i> In order to avoid scope creep, the project manager must define the project scope in front of all the stakeholders. The identification of the scope at the initial stage of the project should be considered.
4	Disruption due to conflict	5	3	15	<i>Avoid:</i> Involvement of different stakeholders can lead to conflict at the time of execution. With the establishment of communication channel, chances of conflict will be reduced.
5	Poor integration of technologies	4	2	8	<i>Reduce:</i> The project is going to be a technology-based project. Hence, it is important for the project manager and Google owners to devise strategies that can provide the proper integration of technologies.

The risk analysis provides the ability to identify, manage, and assess the risks. With the help of the risk management process, it becomes easier to identify the problems at an early stage. These also provide an opportunity to develop a proactive strategy for meeting or addressing the risk.

Stakeholder analysis for project

Stakeholder analysis is considered one of the most important parts of project management. In order to successfully carry out a project it is important to identify, understand and prioritise each stakeholder (Oppong et al. 2021). These provide the ability to engage the stakeholders effectively. The need to develop a list of stakeholders who are going to contribute towards Google's new headquarters at King's Cross project becomes crucial. These offer the ability to ensure that requirements are well addressed and communicate with each stakeholder. The Google project involves different stakeholders from different departments to ensure that the resources are well-aligned to meet the project's needs (Pedrini and Ferri 2019). The below stakeholder matrix represents the way each stakeholder are being communicated while handling the project execution.

Stakeholder Name	Interest	Power	Communication strategy
Project manager	High	High	Meeting, group discussions and budget analysis
Google's CEO	High	High	Weekly updates on project progress through meeting
Employees	High	Low	Meeting

Construction team	High	High	Design reports, materials reports through meetings and emails
UK Government	High	High	Project plan through meeting and mail
Local community	Low	High	Mail and social media platform
Architectural team	High	Low	Design updates and project reports through email
Construction team	High	High	Design updates and project reports through email
Environmental groups	High	Low	Sustainability report, materials type analysis using email
IT groups	High	High	Technology requirements list using email
Finance team	High	Low	Budget and cost flow analysis through meeting and mails
Suppliers	Low	Low	Materials list using email
Competitor	Low	Low	Social media platform

Quality aspects

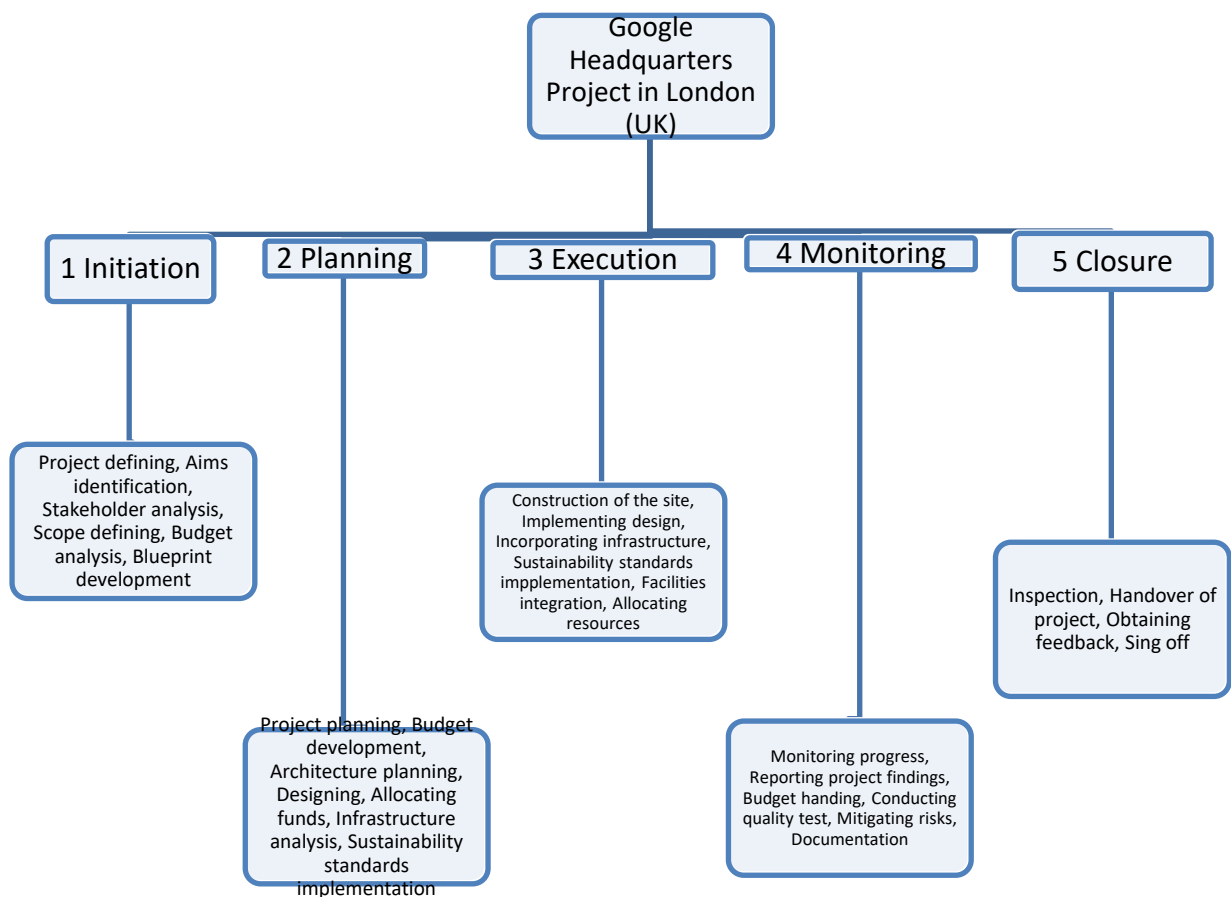
The quality aspect is considered as one of the most important parts of project execution. The quality of a project is used for the purpose of defining the quality standards that need to be achieved for the purpose of delivering high-quality output (Kasowaki and Eymen 2023). The project carried out by Google aims to incorporate new and sustainable designs that will be capable of delivering better reliability. At the time of project execution, the different factors that are taken in consideration by Google headquarters are as follows:

- ***Architectural design***: The need to consider building of the headquarters by maintaining sustainability factors becomes very important. This is considered as one of the most important parts of the quality.
- ***Construction materials***: The selection of high-quality materials that have zero impact or carbon footprints in the environment is selected at the time of project development. These provide the ability to reduce waste percentage for the construction.
- ***Safety standard***: The need to ensure that proper safety rules and regulations are followed for delivering the product becomes very important. Google headquarters construction project needs to incorporate strategies that are capable of delivering with high safety standards (Kerzner 2022).
- ***Technological innovation***: Google's headquarters project is going to develop a knowledge-based resource. As a result, the need to ensure that proper technological innovation is incorporated within the project becomes very important. These provide enhanced efficiency and deliver better quality.

The quality metrics that need to be followed at the time of executing the Google Headquarters Project are discussed in the below table:

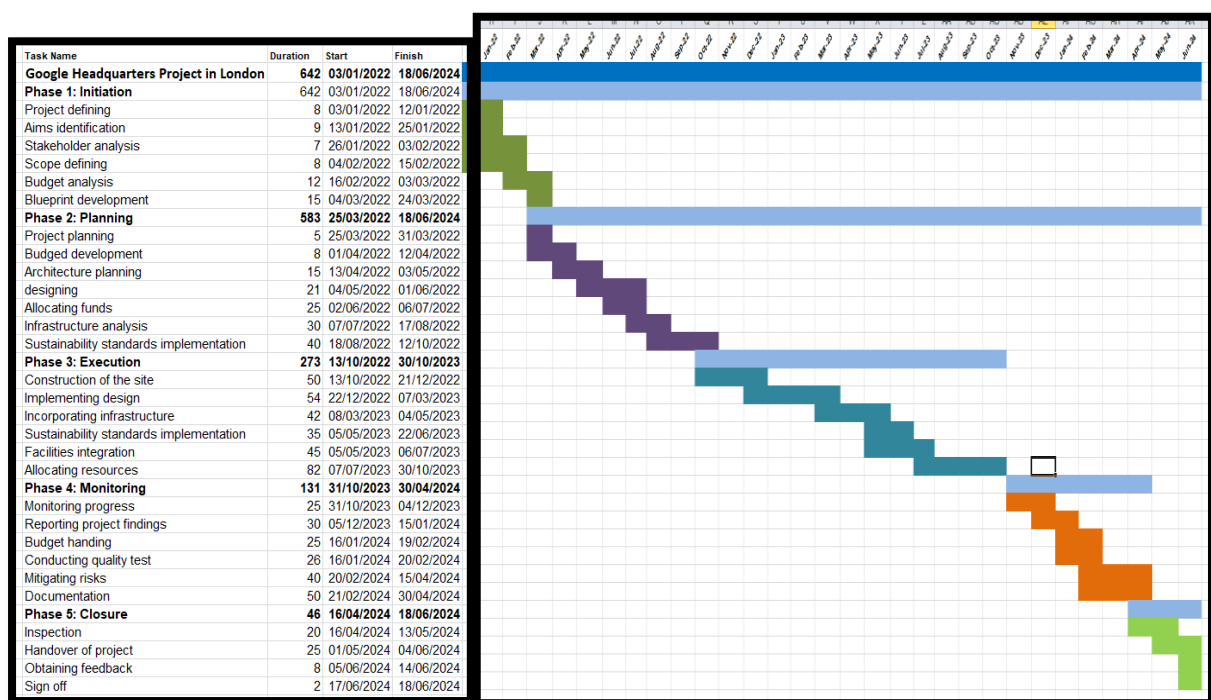
Quality metrics	Indicators	Frequency	Responsible stakeholder
Usability	The need to conduct feasibility testing over the constructed area is needed.	Twice a week	Project manager
Timeliness	Delivering the project within the given deadline is crucial.	Weekly	Project manager
Reliability	Project is capable of incorporating all the features within the building of Google headquarter project.	Monthly	Quality assurance team
Accuracy	The project is completed with the estimated resources and time frame.	Twice a week	Project manager
Relevance	The constructed building is able to provide 4,500 staffs with accommodation.	Weekly	Project manager
Completeness	Project is completed by meeting all the business requirements.	Monthly	Project manager

Work breakdown structure



Gantt chart

The Gantt chart is developed for the purpose of showing the way flow of activities takes place for the project.



Conclusion

The project management aspects associated with the Google headquarters project are discussed in the paper. From the analysis of different factors, it can be stated that Google has successfully incorporated different sustainability standards to ensure that the project is able to achieve each target. In addition to these, the approach of Google to use a technology

innovation within the project has been identified as a major benefit for the project. The project is expected to offer with flexible space for all the Google employees. These is aiming to facilitate the changing requirements. The way different project management methodology is used at the time of project execution are discussed in the report. The paper has also provided with the project schedule, communication plan for stakeholders and the possible risk those may arise at the time of project execution. Hence, it can be concluded that in order to achieve success, Google must focus on ensuring that all the factors associated with project are well identify and handled.

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