

The role of Quality, planning, and cost management on project management
An empirical study of
The Riyadh Metro projects in Riyadh City, Kingdom of Saudi Arabia

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Graduation Project – **Assignment #2**

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1. Research questions

- What are the causes for Riyadh traffic?
- How does the traffic effect the lifestyle in Riyadh city?
- What can we do to improve transportation?
- What factors affect the rate of traffic growth?
- What is the impact of The Riyadh Metro projects?
- What are the benefits and drawbacks of The Riyadh Metro projects?

2. Research objectives

To investigate the influence of Riyadh Metro projects on managing Riyadh traffic.

3. Research hypotheses

What is the effect of growth of population in Riyadh city on Riyadh traffic jam?

4. Research model

The capital, Riyadh, is experiencing a difficult state of traffic congestion. This problem threatens human health in this expanding city that is about to increase in population by a million in the coming years due to many considerations, including economic and political ones. What is certain is that traffic congestion threatens its quality of life programs and entertainment and tourism activities for residents and visitors. Some of us have begun to cancel our social connections due to the struggle of reaching the destination within the city. The strange thing is that in recent years, Riyadh has witnessed the construction of main streets in northern Riyadh that are parallel to King Fahd Road. They are supposed to reduce traffic congestion on it, but unfortunately they have become traffic congestion points that put pressure on even the side streets in the capital, Riyadh. This problem requires solutions, even if they are partial and temporary, until permanent

solutions to this issue are reached. At the forefront of these solutions is the operation of the public transportation system in the capital, including the almost completed tunnel networks and the network of transport buses that roam the capital empty in long experiments that have become a burden on traffic instead of be part of the solution, but we are hopeful and optimistic that the tunnel and bus network will soon be launched in the capital because they are one of the radical solutions to this stifling traffic crisis.

5. The Riyadh Metro projects brief

The **Riyadh Metro** is a rapid transit system under construction in Riyadh, the capital city of Saudi Arabia. It is part of the King Abdulaziz Project for Riyadh Public Transport and will consist of six metro lines spanning a total length of 176 kilometres (109 mi), with 85 stations. This will be the second metro system in Saudi Arabia, after the Al Mashaaer Al Mugaddassah Metro line, which opened in November 2010, fourth on the Arabian Peninsula, sixth in the Arab World, and fifteenth in the Middle East.

6. Research methodology

To find out how Riyadh citizens struggle with the daily traffic, we asked them directly. We shared a survey to several WhatsApp work groups as well as parents groups (many of whom messaged us in addition to answering the survey). We sent the survey to a group sample of workers and parents who live in Riyadh City; we anonymized all of our informants. Our questions included:

What are the causes of traffic in Riyadh?

Who is responsible for this traffic?

What are the solutions in your opinion?

Why is he responsible for the traffic in Riyadh?

Our goal in approaching different types of citizens was not to get a representative sample of the WhatsApp groups but to elicit potentially diverse perspectives. Given the issues mentioned above, we are able to assess how many people saw our survey. We received 8 responses from over 300 members/users through shared messages who replied to our queries. The responses we received revealed many different perspectives on audience. While we can quantify audience perspective to the issue, the responses we received provide valuable insight into some core differences in conceptualizing audience. Future empirical work might examine the prevalence of these answers and their relationship to citizens' counts, demographics, or social status.

7. Project structure

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