



**Developing Trucks Permits for Transportation Services
(Transport Services Sector)**

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**Research proposal for the degree of
MSc in Project Management
College of Management Midocean University**

Final Project PMG697

Third Trimester

10 November 2023



تطوير تصاريح شاحنات النقل البري
(قطاع خدمات النقل البري)

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PMG697 المشروع النهائي

2023 نوفمبر

Midocean University
College of Management Master of Project Management

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1. INTRODUCTION

Saudi Arabia is the largest country in the Middle East, with a diverse geography ranging from deserts to mountains. It is home to a population of over 34 million people. The country is a global energy powerhouse, with a significant reliance on oil revenues. As such, efficient land transport is critical for both domestic and international trade.

Saudi Arabia has an extensive road network, with over 85,000 kilometers of roads, including a well-maintained highway system that connects major cities and regions.

Technology plays a vital role in land transport with the introduction of smart traffic management systems and GPS-based navigation. These technologies help manage traffic and provide real-time information to commuters.

Land transport is a significant contributor to the Saudi Arabian economy, enabling the transportation of goods, supporting logistics and trade, and providing employment in the transport sector.

We recognize the significance of a well-organized permitting process in ensuring the smooth operation of our truck fleet and complying with regulatory requirements.

and we believe that a dedicated Truck Permits System will play a pivotal role in achieving this objective.

We will develop an intuitive online platform that simplifies the application process for truck permits, reducing administrative overhead and processing times. This user-friendly interface will allow our drivers and planning team to submit and track permit applications with ease.

The proposal from our project is to develop and implement a modern Truck Permits System, an online platform that streamlines the permit application and approval process. This user-friendly system will include real-time tracking, automation for tracking permit expirations, regulatory compliance tools, a secure documentation repository, and a customer portal. It aims to significantly reduce processing times, improve compliance, enhance documentation management, and provide our clients with easy access to relevant permit information. This solution will result in operational efficiency, transparency, and an overall improved customer experience for our transportation services.

2. PROBLEM STATEMENT

The current system for obtaining and managing truck permits in our transportation services is inefficient and time-consuming. It leads to delays in permit processing, compliance challenges, increased administrative burden, and a lack of transparency for both our team and clients. This outdated system is hindering the smooth operation of our truck fleet, potentially resulting in compliance violations and service disruptions.

3. RESEARCH OBJECTIVES AND GOALS

The primary objective is to create an efficient and user-friendly system that simplifies the application and approval process for truck permits, reducing administrative overhead adding to that:

Ensure that the Truck Permits System helps our company and drivers remain compliant with local and national regulatory requirements, reducing the risk of violations.

- Develop a centralized repository for essential permit documents, which will facilitate auditing, transparency, and accountability.
- Enable real-time tracking features within the system to monitor permit application status and ensure timely approvals.
- Introduce a customer portal that allows our clients to access relevant permit information, thereby promoting transparency and strengthening client relationships.

A primary goal is to significantly reduce the time it takes to apply for and obtain truck permits, making the process more efficient. Also, to minimize the risk of compliance violations and penalties through accurate, up-to-date regulatory information. Improve transparency and accountability by maintaining well-organized permit documentation and a clear tracking system. Ensure that the customer portal and real-time tracking features enhance the customer experience, leading to increased satisfaction and loyalty. The goal is to enhance the operational efficiency of our transportation services by eliminating delays, reducing administrative overhead, and improving overall compliance. These objectives and goals provide a clear understanding of what the proposed

Truck Permits System aims to achieve, including efficiency, compliance, documentation management, customer satisfaction, and operational improvements. They serve as a framework for measuring the success of the project once it is implemented.

4. LITERATURE REVIEW



“Naql” government platform now starts implement in the beginning of 2023 it is help full to have more information about cargo inside the container and for which customer.

All valuable information will be found in “Naql” platform but not connection directly with customer on real time, not easy to access to the information once needed.

Advantage:

- Availability for cargo details, drivers' information, location, contact details and container weight.
- Use waybill as permits between Saudi Arabia Cities.
- Expiration date.

Disadvantage:

- Inaccurate information
- Information not readily available
- Not linked to the customer at the same time
- The permit expires before the process is completed.

5. RESEARCH METHODOLOGY

This project will use mixed methodology to see people's knowledge and their awareness about the current system and if they will support new project to make the process easier and more active.

Survey Questions:

- Age:
 - Under 18
 - 18-24
 - 25-34
 - 35-44
 - 45-54
 - 55-64
 - 65 or older
- Gender:
 - Male
 - Female
 - Other
- Location (City/Region)
- What do you consider the most significant challenges in Saudi Arabia's land transport system? (Select all that apply)
 - non complete information
 - delayed on receiving information
 - not real time data
 - missing information
 - Others (please specify)
- If you could suggest one improvement to the land transport system in Saudi Arabia, what would it be?
- Are you familiar with the current truck permits system in your region or organization?
 - Yes

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- No

- Have you or your organization encountered challenges or issues with the existing delivery gate pass system?

- Yes

- No

If yes, please briefly describe the challenges or issues you have experienced with the current delivery truck permits system.

- What specific changes or improvements would you suggest enhancing the effectiveness of the truck permits system?

- How often do you experience delays or complications related to obtaining or using truck permits?
 - Frequently
 - Occasionally
 - Rarely
 - Never

- Do you believe that a digital or online system for applying for and managing truck permits would be more efficient than the current paper-based system?
 - Yes
 - No
 - Not sure

- What features or functionalities would you expect from an ideal digital delivery gate pass system? (e.g., real-time tracking, automated approval process, mobile app access)

6. PROJECT FEATURE

A "New Smart trucks Permit for Transportation Services "is an innovative idea that can bring efficiency and transparency to the delivery process, benefiting both the government and customers. Here is how this concept can work:

- Integration with Government Systems:

The smart permit system can be integrated with government databases and systems to ensure that all deliveries are compliant with local regulations and tax requirements. This integration allows government authorities to have real-time visibility into the movement of goods within their area.

- Online Application Process:

Delivery companies and individual couriers can apply for permits online through a user-friendly platform. They would provide information about the nature of the goods being transported, delivery routes, and any required documentation.

- Real-time Approval and Tracking:

The system can automate the approval process, with real-time verification of the permit application. Once approved, delivery personnel receive a digital permit to carry out their deliveries.

- Digital Documentation:

The system can store and manage all required documentation digitally, reducing paperwork and streamlining compliance. This includes digital copies of invoices, tax records, and other essential documents.

- Real-time Tracking and Monitoring:

Government authorities can monitor all permitted deliveries in real time, allowing them to verify compliance with tax and regulatory requirements. This feature enhances transparency and ensures that deliveries follow the approved routes and schedules.

- Mobile Access:

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Delivery personnel can carry digital permits on their mobile devices, making it easy to access and present to authorities if required. The permits can be equipped with QR codes for quick verification.

- Customer Visibility:

Customers can also access a tracking system to monitor the status of their deliveries in real time. They can confirm the legitimacy of the delivery and receive notifications when the delivery is in progress or complete.

- Notifications and Alerts:

The system can send alerts and notifications to both delivery personnel and government authorities for any deviations from the approved routes or schedules, ensuring timely intervention if necessary.

- Compliance Reports:

The smart permit system can generate reports on delivery compliance, including tax records, routes, and documentation, making it easier for delivery companies to provide data to tax authorities as needed.

- Data Security:

Strong data security measures are essential to protect sensitive information, and the system should comply with data protection regulations. Implementing a "New Smart Permit for Delivery" system can streamline the delivery process, enhance transparency, and improve compliance with government regulations. It also offers a better experience for customers, who can track their deliveries in real time.

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