

Societal Project Report

Accessible Public Transportation in Mangalore City

Submitted by

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INTERNAL GUIDE

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Date:26-08-2024

CERTIFICATE

This is to certify that **Rajath Kumar** bearing **USN: 4SO23BA080** is a bonafide student of Master of Business Administration course (Batch: 2023-25) of St. Joseph Engineering College, An Autonomous Institution, Mangaluru. The Societal Project report titled **Accessible Public Transportation in Mangalore City** is prepared by him under the guidance of **Mr. Ananth Alias Rohith Bhat P** in partial fulfilment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of Dean

DECLARATION

I, Rajath kumar, hereby declare that the Societal Project Report is prepared by me under the guidance of Mr. Ananth Alias Rohith Bhat P, Department of Business Administration, St. Joseph Engineering College, Mangalore. I also declare that this Societal Project is towards the partial fulfillment of the university/college Regulations for the award of degree of Master of Business Administration by Visvesvaraya Technological University, Belagavi. I further declare that this Societal Project is based on the original work undertaken by me and has not been submitted for the award of any degree/diploma from any other University / Institution.

Place: Mangalore
Date:

Signature of the Student

ACKNOWLEDGEMENT

I am pleased to present this project “**Accessible Public Transportation in Mangalore City**”. I take it as my privilege and joy to express a few words of gratitude and respect to all those who guided me and encouraged me to complete this study. I am thankful to my esteemed Professor and Dean Dr. Prakash Pinto Department of Business Administration, St. Joseph engineering College Vamanjoor, Mangalore for having given me this opportunity to do my project. This project was done under the able supervision and valuable guidance of Mr. Ananth Alias Rohith Bhat P Assistant professor who constantly extended his support and encouragement.

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Executive Summary

The study emphasizes the critical role of public transportation in Mangalore, particularly the growing concern regarding bus availability as the city expands. It outlines the challenges residents face, such as bus shortages, infrequent services, and the impact of these issues on access to jobs, education, and essential services. The chapter highlights how inadequate public transport affects daily life, especially in rural areas where services are minimal. The study aims to analyze the current state of accessible public transportation, identifying both achievements and gaps in the existing infrastructure to inform recommendations for improvement.

The study's objectives, which include identifying key features of accessible public transportation, examining current options available in Mangalore, appraising existing policies, and evaluating gaps in the system. The methodology involves reviewing secondary data, analyzing a relevant case study, and assessing transportation schedules and regulations. This comprehensive approach aims to gather insights into the challenges and effectiveness of Mangalore's public transport system in meeting accessibility needs.

Mangalore's public transportation system, focusing on the low frequency of bus services and the disparity in transportation options between urban and rural areas. It discusses the fare structure, which is affordable for low-income residents but may deter usage during nighttime. The chapter also introduces the proposed Bus Rapid Transit (BRT) system as a potential solution to enhance efficiency and reduce congestion. Additionally, it emphasizes the need for improved infrastructure, better-designed bus stops, and the necessity for policy revisions to promote accessibility and service delivery.

Highlighting the understanding of infrastructure challenges, the impact of inadequate public transport on daily life, and the importance of policy reforms. It emphasizes the need for infrastructure improvements and stakeholder engagement in transportation planning. The chapter also discusses the socio-economic impacts of public transportation accessibility, including its influence on economic opportunities and public health. Overall, it underscores the importance of developing actionable recommendations to enhance public transport accessibility in Mangalore.

The conclusion from the analysis of accessible public transportation in Mangalore, identifies critical issues such as inadequate infrastructure, service coverage gaps, and regulatory challenges. It stresses that these barriers contribute to economic inefficiencies and negatively affect public health and the environment. The chapter concludes with a call for targeted improvements in infrastructure, better policy implementation, and enhanced stakeholder collaboration to create a more inclusive and effective public transportation system. It advocates for a multifaceted approach to address the identified problems, promoting social equity and sustainability in Mangalore's transportation network.

Chapter 1 | Introduction

Public transportation is essential for any city, helping people move around and connecting them to jobs, schools, and services. In Mangalore, a city that is growing quickly, the availability of buses is becoming a serious concern. As more people move to the city, the need for reliable and frequent bus services is increasing, but many areas still don't have enough coverage.

This project focuses on the accessibility of buses in Mangalore, specifically looking at the problems of bus shortages, infrequent services, and how these issues impact the growing population. These challenges go beyond just being an inconvenience; they affect people's daily lives, limiting their access to important opportunities and services.

In many parts of Mangalore, people have to wait a long time for buses, deal with limited routes, and face crowded conditions, especially during busy times. This problem is even worse in rural and suburban areas where buses are rare or don't run at all. As a result, many are forced to use private vehicles, leading to more traffic and pollution, while others have no way to travel.

This study examines the current state of accessible public transportation in Mangalore City, exploring both the achievements and the gaps in the existing infrastructure.

By analysing various aspects of the transportation system, including vehicle design, route planning, and service provision, the research aims to provide a comprehensive overview of how well Mangalore meets the accessibility needs of its diverse population. Insights gained from this analysis will inform recommendations for improving transportation accessibility, thereby contributing to a more inclusive and equitable urban environment.

Chapter 2

Objectives of Study & Methodology

1. To identify the key features and requirements of accessible public transportation in Mangalore City, including infrastructure, vehicle design, and service provisions.
2. To examine the current public transportation options available in Mangalore City to determine their level of accessibility for individuals with disabilities and other mobility challenges.
3. Appraise the effectiveness of existing policies and regulations regarding accessible transportation in Mangalore City, and their impact on service delivery.
4. Evaluate the gaps and challenges in the current public transportation system in terms of accessibility, and propose actionable recommendations for improvement.

Methodology:

1. **Review of the Secondary Data:** Secondary data from newspaper articles and research papers was reviewed to gather comprehensive information on public transportation accessibility in Mangalore City.
2. **Analysis of a Case Study:** A relevant case study was analyzed to provide insights into the challenges and effective solutions related to accessible public transportation.
3. **Review of Data on the Internet:** Additional data from various online sources was reviewed to enhance the understanding of transportation accessibility issues.
4. **Analysis of Rules and Regulations:** The rules and regulations governing public transportation were analyzed to assess their effectiveness in promoting accessibility.
5. **Analysis of Public Transportation Schedules and Routes:** Public transportation schedules and routes were analyzed to identify any gaps in service coverage and accessibility.

Chapter 3

Analysis & Discussion

1. **Public Bus Services:** The local bus service is primarily operated by private operators, with routes covering the entire city and beyond. However, the frequency of service buses is low, which can limit accessibility for users who rely on public transport for daily commuting.
2. **Fare Structure and Affordability:** The fare structure for autorickshaws and buses is relatively economical, which is advantageous for low-income residents. However, nighttime fares for autorickshaws increase significantly, which may deter usage during those hours.
3. **Future Improvements with BRT System:** The proposed Bus Rapid Transit (BRT) system aims to enhance public transport efficiency and reduce congestion. This initiative is expected to provide dedicated lanes for buses, improving travel times and overall service delivery in Mangalore.
4. **Need for Infrastructure Development:** There is a pressing need for improved infrastructure, including better-designed bus stops and terminals, to facilitate smoother transfers and enhance safety for all users. The current state of modal interchanges is often inconvenient and unsafe, which further hampers accessibility.
5. **Assessing Policy and Regulation:** Current transportation policies in Mangalore may need revision to support improved accessibility. For instance, regulations that incentivize public-private partnerships could help expand and modernize the bus fleet. Moreover, policies that mandate the inclusion of accessible features in all new public transportation projects are crucial to ensuring that the needs of all residents, including those with disabilities, are met. An assessment of existing regulations reveals a need for more stringent enforcement and monitoring to ensure that service providers adhere to accessibility standards.

Discussion:



Important Points:

Absence of Service Buses: Although many buses travel through Mangalore every day, there is a serious deficiency of service buses that transport students from neighbouring places.

Effect on Learners: Students who don't have access to dependable transportation miss class, have to wait a lot, and use risky forms of transportation.

Affected Regions: Students from Bondel, Mulki, Kavoor, KPT, Bunts Hostel, Mudbidri are among those whose students are impacted by this problem.

Call to Action: This news makes a request of the relevant authorities to solve the issue of transportation by regularly supplying a sufficient number of service buses.

Effect on day-to-day living: A thorough account is given of the difficulties individuals encounter when traveling to and from work, school, and other necessary activities.

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Chapter 4: Learning Outcomes

1. **Understanding Infrastructure Challenges:** Gained a deep understanding of the infrastructure disparities in Mangalore, particularly how rural and suburban areas suffer from inadequate bus services compared to urban regions.
2. **Recognizing the Impact on Daily Life:** Learned how insufficient public transportation affects various aspects of daily life, including education, employment, and access to essential services, especially for vulnerable populations like students.
3. **Analyzing Public Transportation Systems:** Acquired the ability to critically analyze the existing public transportation system in Mangalore, identifying key gaps in service coverage, vehicle design, and route planning that hinder accessibility.
4. **Evaluating Policy and Regulation:** Developed an understanding of how current transportation policies and regulations in Mangalore influence accessibility and recognized the need for policy reforms to better support inclusive public transportation.
5. **Exploring Future Transportation Solutions:** Gained insights into potential solutions, such as the proposed Bus Rapid Transit (BRT) system, and understood how such initiatives could improve service efficiency and reduce congestion.
6. **Appreciating the Importance of Infrastructure Development:** Realized the critical need for infrastructure improvements, including well-designed bus stops and terminals, to enhance safety and facilitate smoother transfers for all users.
7. **Engaging with Stakeholder Needs:** Learned to appreciate the diverse needs of stakeholders, including students, local residents, and government authorities, and how these needs must be considered in transportation planning.

8. **Addressing the Socio-Economic Impacts:** Recognized the broader socio-economic impacts of public transportation accessibility, particularly how it influences economic opportunities, public health, and environmental sustainability in Mangalore.
9. **Applying Research and Analytical Skills:** Improved research and analytical skills by reviewing secondary data, case studies, and transportation schedules, which helped in identifying key issues and formulating actionable recommendations.
10. **Understanding the Role of Accessibility in Education:** Gained a clear understanding of how transportation accessibility directly impacts educational outcomes for students, particularly those from underserved areas.
11. **Formulating Recommendations for Improvement:** Developed the ability to propose practical and actionable recommendations aimed at improving public transportation accessibility in Mangalore, contributing to a more equitable urban environment.
12. **Evaluating Effective Solutions:** Acquired knowledge from case studies and successful transportation models to understand which strategies have effectively addressed similar issues in other cities.
13. **Formulating Recommendations for Improvement:** Gained the ability to analyze collected data and propose actionable recommendations to enhance the accessibility and efficiency of the public transportation system.

Chapter 5 | Conclusion

The analysis of accessible public transportation in Mangalore City, based on secondary data from newspaper articles, has provided valuable insights into the current state of the transportation system. The findings highlight several critical issues impacting accessibility, including inadequate infrastructure, service coverage gaps, and regulatory challenges.

The review of newspaper reports revealed that traffic congestion, limited transportation options, and insufficient accommodations for individuals with disabilities are significant barriers. These issues contribute to broader economic inefficiencies and have negative effects on public health and the environment.

By examining successful case studies and current practices reported in the media, it became evident that targeted improvements in infrastructure, better policy implementation, and enhanced stakeholder collaboration are essential for addressing these challenges. The analysis underscored the need for comprehensive planning and strategic investment to create a more inclusive and effective public transportation system.

In conclusion, addressing the identified problems requires a multifaceted approach, including upgrading facilities, refining regulations, and ensuring that all stakeholders' needs are considered. Implementing these recommendations will help improve accessibility, promote social equity, and contribute to a more sustainable and efficient transportation network in Mangalore City.

References

- Udayavani Kannada Daily Sudina(Mangaluru) epaper dated Fri, 14 Jun 24. (n.d.)[https://epaper.udayavani.com/3879550/Sudina\(Mangaluru\)/14-Jun-2024#page/1/1](https://epaper.udayavani.com/3879550/Sudina(Mangaluru)/14-Jun-2024#page/1/1)
- Udayavani Kannada Daily Sudina(Mangaluru) epaper dated Fri, 14 Jun 24. (n.d.-b). [https://epaper.udayavani.com/3879550/Sudina\(Mangaluru\)/13-Jun-2024](https://epaper.udayavani.com/3879550/Sudina(Mangaluru)/13-Jun-2024)
- Udayavani Kannada Daily Sudina(Kundapura) epaper dated Wed, 12 Jun 24. (n.d.). <https://epaper.udayavani.com/3878687/Kundapura/12-Jun-2024#page/1/1>