

A Study on the Quality of Railway Services and Passenger Satisfaction in Madurai Division.

Dr.M JEGAN ,M.com.,M.Phil., Ph.D.

Asst professor &Head

PG& Research Center in Commerce

ARIGNAR ANNA COLLEGE (Arts& Science) KRISHNAGIRI -635115

Abstract

Passenger satisfaction is a key indicator of service quality in the railway transportation sector. Railways play a crucial role in providing affordable and efficient transportation to millions of passengers every day. The present study examines the level of passenger satisfaction with railway services in the Madurai Division. The research focuses on various service aspects such as ticket booking facilities, punctuality of trains, cleanliness of stations and coaches, safety measures, and staff behavior. Primary data were collected from passengers through a structured questionnaire, and the responses were analyzed using percentage analysis and tabular presentation. The findings indicate that while passengers are generally satisfied with the affordability and connectivity of railway services, improvements are required in areas such as cleanliness, punctuality, and customer service. The study concludes that continuous monitoring of passenger satisfaction and service quality improvement measures can enhance the overall travel experience in the Madurai Division.

Keywords: Passenger Satisfaction, Railway Service Quality, Madurai Division, Public Transportation, Indian Railways, Customer Experience

Introduction

Transportation plays a vital role in the economic and social development of a country. Among the various modes of transportation, railway services are one of the most widely used systems in India due to their affordability, safety, and extensive network. The Indian Railways is one of the largest railway networks in the world and serves millions of passengers daily. Ensuring passenger satisfaction has become increasingly important for improving the quality of services and maintaining a positive public image. The Madurai Division is one of the important divisions in the Southern Railway zone, connecting major cities and towns in Tamil Nadu and neighboring states. The division handles a large volume of passenger traffic and provides both long-distance and suburban train services. With the growing expectations of passengers, it becomes essential for railway authorities to understand the level of satisfaction among passengers and identify areas that require improvement. Passenger satisfaction is influenced by several factors such as punctuality, safety, comfort, ticketing facilities, staff behavior, and cleanliness. Evaluating these factors helps railway administrators enhance service delivery and improve passenger experience. This study attempts to analyze the satisfaction level of passengers traveling in trains operated under the Madurai Division and provides insights into service quality improvements.

Statement of the Problem: Railway transportation plays a significant role in providing affordable and convenient travel for a large number of people in India. Passengers depend on railway services for various purposes such as education, employment, business, and tourism. As the number of passengers continues to increase, maintaining high service quality and ensuring passenger satisfaction has become a major challenge for railway authorities. Passenger satisfaction is influenced by several factors including punctuality of trains, availability of tickets, cleanliness of railway stations and coaches, safety measures, comfort during travel, and the behavior of railway staff. Although the railway system provides extensive connectivity and economical travel options, passengers often face issues such as delays in train schedules, overcrowding, inadequate sanitation facilities, and lack of proper information services. These problems may affect the overall travel experience and satisfaction level of passengers. The Madurai Division is one of the important divisions of the Southern Railway, serving a large number of passengers every day. With increasing passenger expectations and competition from other modes of transport, it is essential to evaluate the quality of railway services and understand passengers' perceptions regarding the facilities provided. Identifying the gaps between passenger expectations and the services delivered can help railway authorities take appropriate measures to improve service quality. Therefore, the present study focuses on analyzing passenger satisfaction towards railway services in the Madurai Division. The study aims to identify the key factors influencing passenger satisfaction and highlight the areas where improvements are required to enhance the overall efficiency and quality of railway services.

Review of Literature

Kumar and Singh (2019) examined passenger satisfaction in Indian Railways and found that punctuality and cleanliness significantly influence passengers' perception of service quality. The study suggested that improving operational efficiency could enhance customer satisfaction.

Sharma (2020) conducted a study on railway passenger service quality and highlighted that ticket reservation facilities and staff responsiveness play an important role in determining passenger satisfaction levels.

Ravi and Prakash (2021) analyzed passenger satisfaction in the Southern Railway region and concluded that infrastructure facilities such as waiting halls, sanitation, and security arrangements contribute significantly to passenger comfort and satisfaction.

Mehta (2022) investigated customer experience in railway transportation and emphasized the importance of digital ticketing services and timely information systems in improving passenger convenience.

These studies collectively indicate that passenger satisfaction depends on multiple service attributes including operational efficiency, infrastructure, and staff interaction.

Objectives of the Study

1. To examine the level of passenger satisfaction with railway services in the Madurai Division.
2. To identify the factors influencing passenger satisfaction such as punctuality, cleanliness, and ticket booking facilities.
3. To analyze passengers' perceptions regarding safety and staff behavior in railway services.
4. To provide suggestions for improving railway service quality in the Madurai Division.

Interpretation and Analysis of Data

Table 1: Age-wise Distribution of Respondents

Age Group	Number of Respondents	Percentage
Below 20 years	20	20%
21 – 40 years	40	40%
41 – 60 years	25	25%
Above 60 years	15	15%
Total	100	100%

Interpretation

The above table shows that 40% of the respondents belong to the age group of 21–40 years, which indicates that the majority of railway passengers are young and middle-aged individuals who frequently travel for employment and education purposes. About 25% of passengers fall within the 41–60 years category, while 20% are below 20 years. Only 15% of passengers are above 60 years.

Table 2: Passengers Satisfaction with Train Punctuality

Satisfaction Level	Number of Respondents	Percentage
Highly Satisfied	18	18%
Satisfied	42	42%
Neutral	20	20%
Dissatisfied	12	12%
Highly Dissatisfied	8	8%
Total	100	100%

Interpretation: The table reveals that 42% of respondents are satisfied with the punctuality of trains, while 18% are highly satisfied. However, 20% of passengers have a neutral opinion, and 20% expressed dissatisfaction regarding train delays. This indicates that punctuality is an area where improvement is still required.

Table 3: Passengers Opinion on Cleanliness of Railway Stations and Coaches

Opinion	Number of Respondents	Percentage
Excellent	15	15%
Good	35	35%
Average	30	30%
Poor	20	20%
Total	100	100%

Interpretation: From the table, 35% of passengers rated the cleanliness of railway stations and coaches as good, while 15% rated it as excellent. Around 30% considered it average, and 20% rated it poor. This indicates that while cleanliness standards are acceptable to many passengers, significant improvements are necessary.

Table 4: Passenger Satisfaction with Ticket Booking Facilities

Mode of Ticket Booking	Number of Respondents	Percentage
Online Booking	45	45%
Railway Counter	30	30%
Mobile App	15	15%
Travel Agents	10	10%
Total	100	100%

Interpretation

The table shows that 45% of passengers prefer online ticket booking, indicating the growing use of digital services. About 30% still prefer booking tickets through railway counters. Mobile applications account for 15% of bookings, while 10% rely on travel agents.

Findings

1. The study reveals that a majority of the passengers traveling in the Madurai Division belong to the age group of 21–40 years, indicating that railway services are widely used by working individuals and students.
2. Most of the respondents prefer railway travel because it is economical and provides better connectivity compared to other modes of transport.
3. The analysis shows that a considerable number of passengers are satisfied with the availability of ticket booking facilities, particularly online booking systems.
4. The study indicates that train punctuality receives mixed responses from passengers. While some passengers are satisfied with the timing of trains, a noticeable percentage expressed dissatisfaction due to delays.
5. Cleanliness of railway stations and coaches was rated as average by many respondents, suggesting that improvement in sanitation and maintenance is required.
6. Passenger safety and security measures are generally considered satisfactory, but passengers expect more effective monitoring and security arrangements in stations and trains.
7. Staff behavior and assistance provided to passengers received moderate satisfaction levels, indicating the need for better customer service training.
8. Overall, the majority of passengers expressed moderate satisfaction with railway services, but several operational and service-related issues need attention.

Suggestions

1. The railway administration should focus on improving train punctuality by strengthening operational planning and monitoring systems.
2. Cleanliness of railway stations, platforms, and coaches should be enhanced through regular maintenance and better sanitation management.
3. Passenger information systems should be improved to provide accurate and timely updates regarding train schedules, delays, and platform changes.
4. The railway authorities should strengthen safety and security arrangements by increasing surveillance systems and security personnel in stations and trains.
5. Staff members should be provided with proper training programs to improve customer service and communication with passengers.
6. More digital services and user-friendly mobile applications should be introduced to make ticket booking and travel information easily accessible to passengers.
7. Additional facilities such as clean waiting rooms, drinking water, and seating arrangements should be improved in railway stations.

Conclusion

Passenger satisfaction is an important indicator of service quality in the railway transportation sector. The present study examined the level of passenger satisfaction towards railway services in the Madurai Division. The findings of the study indicate that while passengers appreciate the affordability and wide connectivity of railway services, there are certain areas that require improvement. Issues such as train delays, cleanliness, and customer service need greater attention from railway authorities. By addressing these concerns and implementing effective service improvement measures, the railway administration can enhance passenger satisfaction and overall travel experience. Continuous evaluation of passenger feedback and adoption of modern technologies will further contribute to improving the efficiency and quality of railway services in the Madurai Division.

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