International Journal of Scientific Research and Engineering Development-– Volume 3 - Issue 4, July - Aug 2020

Available at www.ijsred.com

RESEARCH ARTICLE OPEN ACCESS

EXAMINATION OF TRANSPORT FLEET MANAGEMENT IN VRL LOGISTICS

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Abstract

Transportation plays a major role in the field of logistics. Because transportation is the main factor that helps in distributing a product from one place to another place in the right time at the right place. The main objective is this research study to examine the fleet management process with the help of software and also the routing system used by the logistics organization. Fleet management is very important to logistics transportation for having an efficient and uninterrupted transportation service and to reach the customers in time. Fleet management is about the basic needs which should be provided to the transportation fleets. This fleet management includes the processes like timely service, security, replacement of damaged parts, allocation of another vehicle, vehicle tracking, driver performance, and other activities. The routing system helps in selecting the best route to reach the right place at the right time.

Keywords: Transportation, Fleet Management, Logistics, Vehicle

Objectives

- To compare the organization efficiency which uses fleet management software with another organization that does it manually.
- To examine the vehicle maintenance, vehicle tracking, fuel management, management of the fleet drivers, and diagnostics.
- To reduce the operational cost.
- To provide safety and security to the fleets.
- To overcome the vehicle routing problem in cities.

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- To reduce pollutant emissions from fleets.
- Evaluate the transport strategies adopted by VRL logistics.

Scope of the study

- To identify the processes which are done by the fleet management to ensure fleet quality
- To survey the drivers about the fleet management done by VRL logistics.
- To analyze the fleet management processes.

Research Methodology

Research Design

Research design is nothing but the set of methods and procedures involved in collecting data like surveys, etc. There are about four types of research design. They are Descriptive, Correlational, Causal-Comparative, and Experimental research design. Descriptive research design is used in this research. The descriptive study involves case studies, observation, and surveys. A descriptive study is used to analyze the characteristics.

Study Area

My study area is VRL LOGISTICS LTD. I have chosen this area because it provides a wide range of logistics services.

Research instrument

There are many research instruments like questionnaires, psychological instruments, thinking skill instruments, visual-based instruments, observation, etc. The research instrument used in this research is a structured questionnaire.

Questionnaire Design

The questionnaire design used in this research study is a structured questionnaire. And in the structured questionnaire, the questionnaire is of two types. They are

- Likert 5-point scale-like Highly satisfied, Satisfied, Neutral, Dissatisfied, Highly dissatisfied, and Strongly Agree, Agree, Moderately Agree, Disagree, Strongly disagree.
- Category scale (Multiple items)

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Sampling Technique

The sampling technique used in this research is a convenient sampling. The respondents are selected randomly. Convenient sampling comes under non-probability sampling types.

Sample

The truck and bus drivers of the VRL logistics are used as sample.

Sample size

The number of drivers taken for the sample is 67 members.

Research Instrument

The research instrument adopted was a structured questionnaire. For this research, a questionnaire consists of 30 questions on various dimensions indicating the perception towards the distribution process.

Conclusion

This study may define the complete examination of the fleet management process by analyzing. This study may also help to improve the logistics operations of the management.

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