

The Technology Adaptation Of Logistic Especially Supply Chain For Speeding Up The Sector Plus Eliminating Problems

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Abstract

The logistics is expressing its own self for providing a service between right from buyer to seller through that it involves raw material, semi-finished goods, and finished goods specifically, when it comes to a supply chain that does a relocation of specific goods in the meantime, this sector is still not hold enhanced technology than rest of other sectors could have used. For example, banking sector. Apparently, a plenty of unsolved issues that continues because of fundamental factors of supply chain management that's why, it should immediately start to acquisition the technological adoption as well as relevant changes of this industry as same as trend.

Key Words

Logistics, supply chain management, material, finished goods, heavy vehicle, lorry, loading, unloading, black box, delivery, technology.

Introduction

Injecting Technology and Resolving Issues:

The technology plays a vital role to boost-up the evolutionary growth of logistics, where the lack of technological adoption is existed significantly for heavy vehicles. In terms of heavy vehicle that needs to conquer the new innovative machineries for loading and unloading the goods, products as same as materials at heavy vehicle especially lorry. installation of black box for all heavy vehicles that should become mandatory additionally, artificial intelligence, remote control system, quick information about product to pack, move and dispatch it as quick as with the help of an internet accessibility accordingly, in order to solving the issue of slow communication can be solved by using the internet via phone and things are getting same installation of black box in heavy vehicle which move will be revealed about entire data of an accident as well as crash of lorry so, this way gives a neutral gear in logistic industry. Supply chain management is plugging with technology is irreplaceable asset.

Core Plot of The Study

Supply chain management needs a big push to kick start a new acceleration to expansional growth in the industry, where the new innovative ideology is needed in instant E-bill, E-way bill and get the receipt as quick as soft copy as proof. Own mechanism to calculate the lorry's own weight rather than investing time to assessing weight at weight bridge as well as weight bridge office. Illustratively, fast payment to the delivery partners from the both side of buyer as similar as seller to get started to take next trip of carrying load.

Usually, A delivery partner has done a 'four' dispatch in a normal month in case, the technology intervention has done then they can be completed 'five' deliveries in a normal month.

Furthermore, in an organization where a loading and unloading point suppose increased thereafter, time is been absolutely saved to increase a trip and generating money in logistic industry.

Consciously, adoption of technology like black box, loading and unloading machine, weight bridge machine, E-billing, payment through online, safety machinery and artificial intelligence, robotics these should be interlinked at logistic to possess synchronous action in the sector to own a vibrant growth for gearing up the industry with technology by solving fundamental factor which influencing logistics especially supply chain management.

Research Objectives

Installing a black box into a lorry to know about holistic activities that was happened during an accident without investigation of officers instead of it become unsolved mystery.

Determination of adopting adequate new technology in logistic which needs this transition for enrichment.

Importantly, marking the next step of logistics, where the rate of frequency will be expansional increased to do the fastest transportation.

Supply chain management is needed to take this hasty move to wipe out the old methodology on the other side, it begins to adopt robotics and innovation which interlinked with logistics for better venerability has qualified.

Research Methodology

The researchers have collected the information from 85 people, who have done the submission of google form additionally, orally asked structural questionnaires which is like a bullet towards industrialists who answered more than 30 questions. in addition to so many own contents have placed and involved for walking up into reality about logistics.

Table-1

Prevalence categories	Small entity	Medium entity	Large entity
Human invasion in loading and unloading	80-90	50-60	25-30
Technology invasion in loading and unloading	15-20	35-45	70-80
Total	100	100	100

Prevalence categories have contained with invasion of human and technology in small, medium, large entities of logistic. While the goods are loading and unloading via human as well as technology parallelly, man power is slowly fading itself from manual work at logistics other words, technology is drastically highlighting its own self for working in logistics sector.

Rightly, loading a goods onto the lorry by manpower that is called load man who carried all the goods on their shoulders to load the lorry via man power which taking almost about 5 hours on the other slide, loading machineries will take only 3 hours to load the entire lorry so, technology intervention gets more efficient than comparatively man power.

Table-2

Accident by	Mistake percentage	Damage percentage	Frequency of accidents	Controllability of accidents
Human error	39.25	200	280	6
Technical glitch	30.75	450	170	2
Third and external party	30	350	190	2
total	100	1000	640	10

A solid technology adoption of black box in lorry thereafter, simultaneously 3 incidence and possibilities are occurred. firstly, the accident happened through human error which might be evitable and secondly an accident gone through technical glitch which is inevitable lastly, an accident went through some external force is irresistible. An accident has occurred during travel when the lorry is owned black box which gives overall credible evidence how the accident was accidentally happened in critical situation.

Implication and Conclusion

In the scenario of modern era merging two existences together to find out new innovative idea to solve the modern and fundamental problems which is occurring in logistics to reconstruct the supply chain management this is what, the present study is aiming to assess and estimate the importance of technologies intervention of enrich the effective productivity of logistics to ensure the wealth of the industry. futuristically, logistic sector will be capitalized huge range of capital in future. If this sector will start to work on technological incubation other words to reduces the time consumption of shipping the goods one place to another place to generate export and import probabilities So, when logistic sector is started to interlink with fast intimation process, machineries, advanced model of vehicle, high speed technology, eminent road ways, easy and feasible government process in terms of authorized activities effectively and increasingly, more people newly entered into the supply chain management sector as a part eventually, this activity will be activated the vibrant wealth production for business people who are in small, amid and large entity among the business environment.

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