HAND GESTURE RECOGNITION USING NEURAL NETWORKS

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ABSTRACT

Today, there are many new technologies & optimization techniques are under development in Supply Chain Management, Lean has emerged as a very important & interesting field for the researchers as there is a very huge possibility in this area to work. Find different tools and strategies for the optimization of the supply chain by eliminating waste as well as reducing cost for the fulfillment of customer needs. But for improving any supply chain's responsiveness, which can be also termed as agility, very less work has been done so far and if we want to find an strategy which clubs both lean and agility somehow, then the supply chain performance can be improved both ways, efficiency as well as responsiveness. According to the authors, this is the first review paper that explores in detail lean practices in enhancing the supply chain and identifies latest emerging trend specially in enabling supply chain agility. The paper comprises a systematic & comprehensive review of articles on lean practices. Its role in supply chain agility enhancement using structured content analysis, and publications on lean, agile, and leagile strategies in automobile sector as well as in service industries published during the period 2005–2020.The classification of the reviewed article is done based on the basis of some characteristics as well as the contextual issues of the articles. Finally, future scope mentioned that there are several publications on lean but less on agile strategies, whereas only few articles exists on 'leagile' paradigm. The findings will help all the interested stakeholders like educationists, researchers, industrialist etc. to understand various work done so far in optimizing the supply chain especially by the latest tools like lean implementation, agility & the leagility at any decoupling point of the supply chain. It will also help exploring the possibilities of the role of lean in enabling the supply chain agility.

Keywords: Supply chain management, Literature review, Lean supply chain, Agility in supply chain, Leagile supply chain

INTRODUCTION

Gestures is a non-verbal type of correspondence that gives the HCI interface among people and machines. Our explanation behind utilizing hand motion to help satisfy our motives is on the grounds that hand motion is the most simple and common method of communication. Continuous vision-based hand signal recognition is viewed as increasingly more practical for HCI with the assistance of most recent advances in the field of PC vision and example recognition. In this venture we have actualized gesture recognition utilizing CNN model and ASL letter sets.

Signal recognition is a technique which is used to grasp and comprehend the human hand motion which is a non-verbal correspondence and this subsequently helps in building a framework between the machine and the customer to talk with each other. It helps in preparing

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