

"A man is
great by
deeds, not by
birth"
-Chanakya

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Selection of Logistics Providers in CPFR using Fuzzy DEMATEL

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Abstract:

The increasing importance of supply chain collaborations has led organizations towards implementing Collaborative Planning, Forecasting and Replenishment (CPFR) to achieve a competitive advantage in the global market. In CPFR, the order forecasts developed through collaborations between suppliers and manufacturers are to be successfully shipped by the logistics providers to ultimately fulfill the objective of CPFR, i.e., minimum lead time, costs and maximum profit. But it has been observed that due to a lack of collaboration at the fulfillment end, the entire process involving planning and forecasting has not been able to achieve the expected results. This research aims to address this gap through appropriate selection of logistics providers by identifying suitable criteria and sub-criteria, which directly relate to the fundamental principles of CPFR.



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