

# D Develop a model for supply chain foresight

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## Abstract

Changing competition from the corporate level to the supply chain level requires new approaches to respond to change and be more prepared to deal with it. The present study aims to develop a model to generalize corporate futures to the supply chain. This research is also fundamental-developmental in terms of purpose. The research population of the present study was academic experts in the fields of supply chain and foresight, and 12 people were selected based on purposive methods. In this research, first, based on the theoretical foundations and research background, dimensions, components, and indicators of supply chain foresight were extracted. Then, two-stage fuzzy Delphi method was used to ensure the accuracy, precision, and comprehensiveness of the identified cases and to eliminate possible bias. Findings show that the supply chain foresight model includes contextual factors (nature of strategy, source of competitive advantage, industry speed, and intensity of competition), supply chain capabilities (information, communication, supply chain structure, culture and coordination) and impact or results (Reduce uncertainty, improve decision-making, customer's satisfaction, and increase the productivity of supply chain members). To have a successful and dynamic supply chain, we need to prepare ourselves to face possible future market scenarios by accurately identifying the underlying factors of the relevant industry and using the capabilities of the supply chain, especially coordinated information and communication throughout the supply chain process.

**Keywords:** Foresight, supply chain, capabilities, Contextual factors, impact