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INTEGRATION OF KM AND MIS PROCESSES IN STRUCTURAL EQUATION MODELLLING (SEM) CORROBORATION OF EPC SUPPLY CHAIN MODEL

VENKATESAN JEEVANANTHAM[1] & CHANDRA BABU D[2]

[1]M.E Student, Department of Mechanical Engineering, Mumbai University, Maharashtra, India

[2]Head, Department Mechanical Engineering, LokmanyaTilak College of Engineering, Navi Mumbai, Maharashtra, India

ABSTRACT

Today's world is moving in turbulent economic environment, firms are striving for ways to achieve competitive advantage. The Supply Chain Management Program integrates topics from operations, purchasing, transportation, and physical distribution into a unified program. Successful supply chain management, then coordinates and integrates all of these activities into a seamless process. It embraces and links all of the partners in the chain. In addition to the departments within the organization, these partners include vendors, carriers, third party companies, and information systems providers. One of the approaches is to manage the entire supply chain through integration of Knowledge Management to improve performance so as to create competitive advantage and business success. Knowledge Management (KM) being a human centered approach enables the supply chain function to gain more comprehensive, integrative & reflex view in the industries.MIS systems which is closely related to the tacit Knowledge method can be used to collect, develop & validate the data which is obtained through successive KM application since MIS satisfies the diverse needs through a variety systems such as query systems, analysis systems & decision support systems. This research provides a theoretical framework to understand EPC Industry and argues that supply chain management will help these firms to be competitive and successful. In order to leverage on existing supply chain investments, firms in the EPC industry, like many other industries, are faced with the challenge of being able to align their supply chain strategies with the effective use of technology. With the support of Management Information System (MIS) Factor analysis is done using Statistical Package for the Social Sciences (SPSS) software to evaluate the relative importance of Important Supply Chain Factors in the EPC Sector. The data is analysed using "Mean score". Further the data is analysed through Structural Equation Modelling Confirmatory Factor Analysis (CFA) to find the fitness of the data.

KEYWORDS*:* EPC Industry, Knowledge Management, MIS Approach, Important SCM Factors, Support of Information Technology