

Logistics Information Systems in the Distribution of Flour in Nigeria

Authors : Cornelius Femi Popoola

Abstract : This study investigated logistics information systems in the distribution of flour in Nigeria. A case study design was used and 50 staff of Honeywell Flour Mill was sampled for the study. Data generated through a questionnaire were analysed using correlation and regression analysis. The findings of the study revealed that logistic information systems such as e-commerce, interactive telephone systems and electronic data interchange positively correlated with the distribution of flour in Honeywell Flour Mill. Finding also deduced that e-commerce, interactive telephone systems and electronic data interchange jointly and positively contribute to the distribution of flour in Honeywell Flour Mill in Nigeria ($R = .935$; $\text{Adj. } R^2 = .642$; $F(3,47) = 14.739$; $p < .05$). The study therefore recommended that Honeywell Flour Mill should upgrade their logistic information systems to computer-to-computer communication of business transactions and documents, as well adopt new technology such as, tracking-and-tracing systems (barcode scanning for packages and palettes), tracking vehicles with Global Positioning System (GPS), measuring vehicle performance with 'black boxes' (containing logistic data), and Automatic Equipment Identification (AEI) into their systems.

Keywords : e-commerce, electronic data interchange, flour distribution, information system, interactive telephone systems

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