ASPECTE PRIVIND MANAGEMENTUL STOCURILOR DE MATERII PRIME FOLOSIND REŢELE NEURONALE

ASPECTS REGARDING RAW MATERIAL STOCK MANAGEMENT USING NEURAL NETWORK

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Abstract: The main purpose of the paper is to develop a neural network application destined to the raw material stock management, as an performant alternative to the classical models of stock management. Stocks of goods that manufacturers would classify as raw materials are, in a special sense, goods in early stages of the production process. An artificial neural network, or simply neural network is an interconnected group of artificial neurons that uses a mathematical or computational model for information processing. The testing was made for three companies from the automotive industry, but it could be applied to any kind of Romanian organization.

Keywords: logistics, stock management, production, lead time, neural networks