

**INVENTORY MODEL WITH STOCK DEPENDENT DEMAND
RATE USING DISCOUNTED CASH FLOW APPROACH WITH
TRADE CREDIT PERIOD AND INFLATION**

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ABSTRACT

In this paper, we are using an Inventory model for deteriorating of items using discounted cash flow approach of credit period. Here the demand rate is considered as a stock dependent. Mathematical models are derived for three different cases and a numerical example, sensitivity analysis are considered.

KEYWORDS: Credit System, Inventory, Weibull Distribution AMS Classification :90B05

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