



**INFORMATICS
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INVENTORY SALES FORECASTING BASED ON MACHINE LEARNING AND DEEP LEARNING.

Final Project Document

A dissertation by

Ms. Piyumi Gamage.

Supervised by

Ms. Sulochana Rupersingha.

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ABSTRACT

Very small, middle, and large business must balance the act of between reducing the cost, of holding too much inventory stock with and need to maintain enough stock. So, in this community, over the last 50 years inventory control and planning and inventory forecasting has received considerable attention. This inventory control, planning system is helped to implementation for decision making in the organization by strategic level as well as operation level. Time by time, the different perspective has evolved in the control and forecasting theory in the inventory control and planning. In this research, the relevant literature of the research is referred and the reviewed. Also showing and promoting some different forecasting control methods and approaches of the inventory forecasting, control, and planning system. This reviewed of the research is based in the interdisciplinary agenda for further. To predict accurate inventory prediction, the most advance way that has been identified at present is use of machine learning algorithms and python as a using language. Also, this system able to convert the report one imported language to another imported langue using natural language processing.

key words: Inventory forecasting, Inventory management, Machine learning algorithms, python language, natural language processing, inventory Control, inventory planning.