# DEMAND EST-AI POWERED FOOD DEMAND FORCASTER

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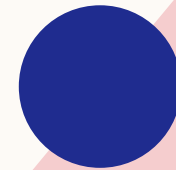
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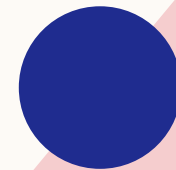Logesh Kumar M

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# ABSTRACT

The use of forecasting methods is nowadays regarded as a business ally since it supports both the operational and the strategic decision making processes. This paper is based on a research project aiming the development of demand forecasting models for a company (designated here by PR) that operates in the food business, more specifically in the delicatessen segment. In particular, we focused on demand forecasting models that can serve as a tool to support production planning and inventory management at the company. The analysis of the company's operations led to the development of a new demand forecasting tool based on a combination of forecasts, which is now being used

# INTRODUCTION

The application of AI in the food industry has been growing for years due to various reasons such as food sorting,classifcation and prediction of the parameters, quality control, and food safety. Expert system, fuzzy logic, ANN, adaptive neuro-fuzzy inference system (ANFIS), and machine learning are among the popular techniques that have been utilized in the food industries.

# LITERATURE REVIEW

**APPLICATION OF ARTIFICIAL INTELLIGENCE IN FOOD INDUSTRY: NIDHI RAJESH MAVANI1 · JARINA MOHD ALI1 ,ETC 2021**

- The implementation of deep learning with unsuper-vised features for big data analytics holds significantpotential for identifying novel genotypes and pheno-types in heterogeneous CV diseases, such as Brugadasyndrome, HFpEF, Takotsubo cardiomyopathy,white-coat hypertension, HTN, pulmonary hyperten-sion, familial AF, and metabolic syndrome

**INPRECISION CARDIOVASCULAR MEDICINE CHAYAKRIT KRITTANAWONG,MD,HONGHU ZHANG, PHD,ETC,,.2021**

- AI in medicine, which is the focus of this review, has two main branches: virtual and physical. The virtual branch includes informatics approaches from deep learning information management to control of health management systems, including electronic health records, and active guidance of physicians in their treatment decisions. The physical branch is best represented by robots used to assist the elderly patient or the attending surgeon. Also embodied in this branch are targeted , a unique new drug delivery system.

**ARTIFICIAL INTELLIGENCE IN MEDICINE : JOHANNE TREMBLY ,.2017**

- The comprehensive state-of-the-art reveals that the domain of robotics has incredibly increased the productivity as compared to the manual production systems. It is highlighted that the food serving sector has the largest potential of research and development. Opportunities lie in sensor fusion, CPS design, HMI, robot learning and training software solutions, vision systems, robot structural re-configurability and operation of robots during maintenance. The new ideas are emerging based on the enabling

# REFERENCES

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# THANK YOU