VISVESVARAYA TECHNOLOGICAL UNIVERSITY,

Jnana Sangama, Belagavi-590018.

A Mini-Project Report

On

MEDICAL SUPPLY MANAGEMENT SYSTEM

Submitted for the Requirement of the **Vth** *Semester*

Database Management System Laboratory with Mini Project (21CSL55)

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

Artificial Intelligence and Machine Learning

Submitted by

VIDHAN MEHTA, 1OX21AI047

Under the Guidance of

Mrs. PARVATHY S

Assistant Professor

Department of Artificial Intelligence and Machine Learning

THE OXFORD COLLEGE OF ENGINEERING**,** Bommanahalli, Bangalore 560068

Department of Artificial Intelligence and Machine Learning

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Bangalore 560068

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THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Bangalore 560068

CERTIFICATE

This is to certify that the Mini-Project entitled **"MEDICAL SUPPLY MANAGEMENT SYSTEM"** carried out by **Mr. VIDHAN MEHTA [1OX21AI047]** of Vth Semester students of The Oxford College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Artificial Intelligence and Machine Learning of **Visvesvaraya Technological University, Belagavi** during the academic year 2023-2024. The Mini-Project report has been approved as it satisfies the academic requirements in respect of DBMS Laboratory with Mini-Project work prescribed forthe said Degree.

Signature of the Guide
Mrs. Parvathy S
Asst. Professor, Dept. of AIML
TOCE, Bangalore

Signature of the HOD
Dr. P. Bindhu Madhavi
Professor & HOD, Dept. of AIML
TOCE, Bangalore

Name of the Examiners: **Signature with Date:**

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VIDHAN MEHTA, 1OX21AI047

ABSTRACT

This report delves into the critical analysis of Pharmacy Supply Management within healthcare systems, with a specific focus on optimizing the distribution of medicines from wholesalers to clinics. The project addresses prevailing challenges in service levels to clinics and proposes solutions to enhance the efficiency of pharmaceutical supply chains. The research holds particular importance as it provides an in-depth examination of healthcare supply chains in developing regions, identifying and diagnosing key parameters affecting inventory management.

Pharmaceutical practices have evolved significantly over time, encompassing essential aspects of the pharmacy sector, including drug dispensing, consultation, drug regulation, and sales. To address current challenges and improve overall pharmaceutical practices, the report advocates for the development of an Online Pharmaceutical Management System. This system is envisioned to provide a secure, safe, and verified platform, fostering seamless communication and ensuring the legitimacy of pharmaceutical products. Strict adherence to the recommended measures is expected to result in enhanced monitoring and regulation of drug circulation, leading to a reduction in the prevalence of counterfeit drugs.

The findings and recommendations presented in this report aim to contribute valuable insights to the field of pharmacy management, providing a foundation for further research and the potential implementation of innovative solutions in healthcare systems.

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