VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI– 590018, KARNATAKA, INDIA

A PROJECT REPORT

on

"Medical Management System"

Submitted in partial fulfillment of the requirements for the award of

BACHELOR OF ENGINEERING

in

ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

Submitted By

Name	USN
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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

VIVEKANANDA COLLEGE OF ENGINEERING & TECHNOLOGY

[A Unit of Vivekananda Vidyavardhaka Sangha Puttur (R)]

Affiliated to Visvesvaraya Technological University and Approved by AICTE New Delhi & Govt., of Karnataka

Nehru Nagar, Puttur - 574 203, DK, Karnataka, India.

January, 2023

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

CERTIFICATE

Certified that the project work entitled **"Medical Management System"** is carried out by **SHREESHA B, SNEHA B** bearing USNs **4VP20AI027, 4VP20AI030** respectively bonafide students of **Vivekananda College of Engineering & Technology, Puttur** in partial fulfilment for the award of **Bachelor of Engineering** in **Artificial Intelligence & Machine Learning** of the **Visvesvaraya Technological University, Belagavi** during the year 2022-23. It is certified that all corrections/suggestions indicated during Internal Assessment have been incorporated in the report deposited in the departmental library.

The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide	**Signature of the Guide**	**Signature of the HOD**
Prof. Shwetha CH	**Prof. Pradeep Kumar KG**	**Dr. Govindaraj P**

EXTERNAL VIVA

Name of the Examiners	Signature with date
1…….....	.....
2…….....	.....

ACKNOWLEDGEMENT

We take this opportunity to express our deep heartfelt gratitude to all those people who have helped us in the successful completion of the project.

First and foremost, we would like to express our sincere gratitude to our guides,
Prof. Pradeep Kumar K G, **Prof. Shwetha CH** for providing excellent guidance, encouragement and inspiration throughout the project work. Without their invaluable guidance, this work would never have been a successful one

We would like to express my sincere gratitude to our Head of the Department of Artificial Intelligence & Machine Learning, **Dr. Govindaraj P** for his guidance and inspiration.

We would like to thank our Principal, **Dr. Mahesh Prasanna K** for providing all the facilities and a proper environment to work in the college campus.

We are thankful to all the teaching and non-teaching staff members of Artificial Intelligence & Machine Learning Department and Computer Science & Engineering Department for their help and needed support rendered throughout the project.

DECLARATION

We, **SHREESHA B (4VP20AI027) , SNEHA B (4VP20AI030)** students of fifth semester B. E. in Artificial Intelligence & Machine Learning, **Vivekananda College of Engineering & Technology**, **Puttur,** hereby declare that the project work entitled **"Medical Management System"** has been carried out and duly executed by us at VCET, Puttur, under the guidance of **Prof. Pradeep Kumar K G** and **Prof. Shwetha C H** Assistant Professors, Department of Computer Science & Engineering, Vivekananda College of Engineering & Technology, Puttur, and submitted in partial fulfillment of the requirements for the award of degree in **Bachelor of Engineering in Artificial Intelligence & Machine Learning**, by **Visvesvaraya Technological University**, Belagavi during the academic year 2022-2023.

Shreesha B	**4VP20AI027**	**signature**
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Sneha B	**4VP20AI030**	**signature**
		SNEHA B

Date:

Place: VCET.

ABSTRACT

For a medical management company like a pharmacy, this project aims to develop and implement a comprehensive database management system. The system will allow for the management and tracking of data regarding patients, medical staff, equipment and drug inventories, appointments, sales, and medical procedure orders.

By centralizing data storage and offering a user-friendly interface for accessing and modifying that data, this project seeks to increase the efficiency and accuracy of the medical management organization's activities.

The system's capacity for tracking and managing inventory both of equipment and medications is one of its essential components. Medical staff will be able to submit purchase orders with suppliers, check the availability of pharmaceuticals and equipment, and track the delivery and reception of things with the help of the system.

Additionally, the system will automatically update the inventory levels as things are used or expire, giving the medical management organization real-time visibility into its stock.

Another important component of the system is the capacity to store and manage patient and staff information, such as medical history, contact information. The system also has a feature that manages the appointments and keeps track of the medicines that are assigned to the patients.

The system will be designed to be user-friendly and intuitive, with a graphical user interface that allows medical staff to easily access and manipulate the data. The system will also be designed to be secure, with role-based access control to ensure that only authorized staff can access sensitive information.

The overall goal of this project is to provide a thorough and effective system for overseeing a medical management organization's everyday activity. The system will enhance the accuracy and efficiency of the medical management organization's operations by centralizing data storage and offering a user-friendly interface, ultimately leading to improved patient safety and increased business outcomes.

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